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gccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;222&gt; (839)

&lt;223&gt; n equals a,t,g, or c

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 catggagtgt gtgaggaggt ggagagagtt cggcgctcag agaggtacca gaccatgaag 360  
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<212> DNA  
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gcacacatct gtgtccctg ctacttagga ggctgaggtg agaggatcct tgagcccagg 780  
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<212> DNA  
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<212> DNA

<213> Homo sapiens

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<211> 1471

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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&lt;210&gt; 22

&lt;211&gt; 1402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

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&lt;211&gt; 1047

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 23

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aaaaaaaa						1208

&lt;210&gt; 26

&lt;211&gt; 1922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1022)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 26

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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c
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<210> 29
<211> 3735
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<222> (3690)
<223> n equals a,t,g, or c

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<220>
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&lt;210&gt; 30

&lt;211&gt; 1667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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 <222> (1628)  
 <223> n equals a,t,g, or c

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 <211> 1408  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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<210> 32
<211> 3186
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<222> (666)
<223> n equals a,t,g, or c

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<220>
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 nctnng 3186

<210> 33  
 <211> 971  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (957)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (964)  
 <223> n equals a,t,g, or c

<400> 33  
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 ttttatctgt ggggcctttt tactgctcag agacaaaaga aagaggagag caccgaagaa 180  
 gtgaaaatag aagtttttgca tcgtccagaa aactgctcta agacaagcaa gaagggagac 240  
 ctactaaatg cccattatga cggctacctg gctaaagacg gctcgaaatt ctactgcagc 300  
 cggacacaaa atgaaggcca cccaaatgg tttgttcttg gtgttgggca agtcataaaa 360  
 ggccctagaca ttgctatgac agatatgtgc cctggagaaa agcgaaaagt agttataccc 420  
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 caaagggaat ttgaaaaaga tgagaagcca cgtgacaagt catatcagga tgcagtttta 660  
 gaagatattt ttaagaagaa tgaccatgat ggtgatggct tcatttctcc caaggaatac 720  
 aatgtatacc aacacgatga actatagcat atttgtattt ctactttttt tttttagcta 780  
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 cccctatgag aagatatttt gatctcccca atacattgat tttggtataa taaatgtgag 900  
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<210> 34  
 <211> 1792  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1767)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1768)  
 <223> n equals a,t,g, or c

<400> 34  
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 ctcttcagat tctccttatt ttagtttctt tttacattta tgaagtagaa agcattgttt 180  
 tgtaaaactgt tttgaaaata aatagcctag tctcttatcc tctttagcgt ggattaaagg 240  
 tgaagttctg caaatgggag agtgttcaca gtagatagct cagattgatt gaacacattt 300  
 gaggaagaga ctectgcatg agataccagc atttttacia atacttttta tgtacattct 360  
 ttattttgtc attttgtcaa ccctctcccc aagcacatct tctttccttt tactatgtct 420  
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 ccgtgtcttt caaaaaacat ttctgttttt tgttttgttt tggtcagtc attgcataag 540  
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 tctgtttaca tgccctatgt taagataatt atattgccac taataatcaa gatgctaaat 960  
 gagtattaca actgggcta atcatttttt atatacaagg gtatgtgtat atttgggaatt 1020

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cagattttgc ttgagattga cttcaataaa ttgtcctgta tgttccaaaa aaaaattaaa 1740
aaactcgagg gggggccggt acccaanncg ccggatatga tcgtaaaca tc 1792

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<210> 35
<211> 896
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (6)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (870)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (877)
<223> n equals a,t,g, or c

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<400> 35
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ctgcctgtgg tggccaytet ttgcttttgg tttctttgcc ccttggcctc cctttttgtc 180
cccgggcagc cttgtgtgac ctgccccttt ccttcccctc ctttcaggga caagcacgcc 240
gaggaggtgc ggaaaaacaa ggagctgaag gaagaggcct ccaggtaaag cctagaggcc 300
aaagaacttt ccaggtcagc cggacagctc cagcagctcc acgttccagg cagcctcgmc 360
cgccggctgc gctcccagca ctgggggttt gggggagggg ggtggccaag gggcggtttc 420
tctgcttttg gtgtttgtac atgttaagaa ttgaccagtg aagccatcct atttgtttcc 480
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agaactcaag gacattgcaa ccctgcccgg cgcagatctg attttcacat ctctacctgg 600
acattgagcc tcccaggcac catgttgagg agagatgaaa accagggcgg tagaacttca 660
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agagggggtg tgagtaccag tgggtgttgc tccaccctgc agcaggtggg atgaggtctg 780
tgtgtgtgtg tgaaccatca ttttttgatc atcatgacca atgaaacatt gaaaaaaaaa 840
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J0004550 "J20701

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1382

<210> 38  
 <211> 872  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
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 taagccactc aaccagaaat cttatttgaa ttataatcca gaaacatcag gtgacgtgtg 240  
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 ctcttttcca gtcctagaaa tctgaccta gagtggctta atcctgctag cacctctctc 420  
 tgcactctg gtgcaaatg actccaggaa ctgggccatg atgtgggtgg aatgacctta 480  
 cctgagcat gtcactcatg cattgaacaa cagctaagag cagagcttag agcttagagc 540  
 tgggccctgt aagggtgagag gaatcacatc ctgcagaagt ctgtcctgag aagcaggtac 600  
 tctgtgcaca gcagagacac agtggatacc tgagtaacaa taatacaaga caggacgtgg 660  
 gmacagcaaa agatttgggt gtcagaagar gccgagaaca cttcaggga ggaacattca 720  
 rarttggtct tggaggaart aggcmsaag gctgggcagg atttcmggg gcagagatgg 780  
 agcaagcaat tgaaatgaaa gccatggcat gggaaaagga gcaactggcca caggagatgc 840  
 aacgttgtga tgcaaggcca ctgtggagcc at 872

<210> 39  
 <211> 812  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (794)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (806)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (810)  
 <223> n equals a,t,g, or c

<400> 39  
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 tgaaaggagt atgaaaatgc ggaatggggc tttggggctt gaggagggtg gatctctagt 180  
 gtttaaaaaa ttaattgca caaatagaaa taattcaccc acattattga accccactaa 240  
 agcatatcct ttttgtccat attcctttcc tgctgccctc gtgtgtacca ttattactca 300  
 gttgtgattt gagctcgttc cacttaaagt cattcataga tacttttgcg tcgtgttkga 360  
 atatttattg aatttctatt ctgtgtttta cttaattact ttattatgga acctttacac 420  
 aggtctgggt tacttgttct ttgaaaagtc ttatgttgac caccatcact gagcatatag 480  
 ctttttccct atttccttgg gataattacc cgaagtggaa ataccgaatc aaacttctgt 540  
 tttctttctt tggcactatt atataaattg ttttccaaac aaggcatgtt tacaatagac 600  
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gccaaagtcgt	tttctgtgtg	ggttgagaga	caggctgtgc	agcccactgt	tgcataggac	720
taactactac	aaatcatgct	gagaccgagc	tatttttgc	gcttagargc	tttgcagcct	780
tgagtaagtt	tcgncatctg	gaaacnttgn	aa			812

<210> 40  
 <211> 1515  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (69)  
 <223> n equals a,t,g, or c

<400> 40						
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cacagaactg	gggtccggcc	tccttgacat	gcagatttcc	acccagaaga	cagagaagga	180
gccagtggtc	atggaatggg	ctgggggtcaa	agactgggtg	cctgggagct	gaggcagcca	240
ccgttttcagc	ctggccagcc	ctctggaccc	cgaggttggg	ccctactgtg	acacacctac	300
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cctgtcaaag	tcagatgcca	aaaaagccgc	ctcaaagacg	ctgctggaga	agagtcagtt	420
ttcagataag	ccggtgcaag	accgggggtt	ggtggtgacg	gacctcaaag	ctgagagtgt	480
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<210> 41  
 <211> 704  
 <212> DNA  
 <213> Homo sapiens

<400> 41						
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<210> 42  
 <211> 1094  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (196)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (596)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (952)  
 <223> n equals a,t,g, or c

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<210> 43  
 <211> 1821  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1801)  
 <223> n equals a,t,g, or c

<400> 43

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 <212> DNA  
 <213> Homo sapiens

<400> 44

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 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2049)

<223> n equals a,t,g, or c

<400> 48

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<211> 1742

10004960-12001

<212> DNA  
<213> Homo sapiens

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<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (570)  
<223> n equals a,t,g, or c

<400> 49

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<211> 1487  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1486)  
<223> n equals a,t,g, or c

<400> 50

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&lt;211&gt; 1328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 51

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&lt;210&gt; 52

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 <212> DNA  
 <213> Homo sapiens

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 tagctccaaa aatttgcgaa gcaaaagcta gccccaattg gtttggaggt ttgaaactga 1260  
 ttaacagatt tgcatttgaa gtgactccag acattagggtc cagacattag ttaaaaatag 1320  
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 cccactttca ttgagatcag ctgtctgat aacctgatat gagtgtgata atgataaaca 1440  
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 ttcaactttt ctycgaacat ycctatyctt agatgtagt ttacctcaaat tgggaattat 1560  
 aactgtccta atttttgttg tgtaccctga tgcccccttt gctttaatac ccacagtgt 1620  
 acaattaaat atcacactat gacatatgat ttaagtagga ttttttaaag ataaatttta 1680  
 ggggtaaaatg tttacttcaa aatgactcca ttttcaa atctgttttag actgtgaagg 1740  
 ccaaataat ttttaagaaa catttgaaga gtagtgtgtt tgcatttggt aataatctta 1800  
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<210> 53  
 <211> 1558  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (17)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1514)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1551)  
 <223> n equals a,t,g, or c

10004360-10004364

<220>  
 <221> SITE  
 <222> (1556)  
 <223> n equals a,t,g, or c

<400> 53  
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 taccacatttt tctttatcca ctcatgtcgt gatgggcagt taggttggtt ccacatcttt 180  
 gcaattgtga gttgtgctgc tccagatata atctttaact cctttgcctt ctccacatac 240  
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 actggcctgt tcttacattt taaaatcaaa agatgtgaca ggtgaaatgc ctatttcagt 420  
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 cctgttaaat ttgtaaacaa tctaattaaa tggcatcagc actttaacca aaaaaaaaaa 1500  
 aaaaaaaaaa aaanaaaaaa aaaagggggc cgctctagag gtccaagtta ngacgnng 1558

<210> 54  
 <211> 948  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
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 ccaggctctt tctgcagwca taccgcggac ccaatgggag ccttgacac ccgtttcttg 180  
 ggccgtcaga cttggataca tcgtaaaact cgccctccag gaacgtctcg cctkgcgagc 240  
 aagmtcggaa tccagttcct caggaacccc tccaaaaccc acacccccag ggacgcgcgt 300  
 ttccgggatc ccggscaaac gccggaccct cagtgcctcc aggccccct accctcaaag 360  
 tgtagcgcgc ccaaccgagc aacctcggtt tggtccttaa aaccccgct cctctataag 420  
 caccgcccc gctctgacaa aaccccgct ccaggtcggc aggtccgct tcttttcttc 480  
 tccgcggggt gattcagtc agtgattggg tttgtggctc caggccctgc ccacagacgg 540  
 acagacccct ccttttcttc cggcaaaagg accgagccct ggggtagtaa ggsccccaca 600  
 ctctgtttt ttgcaagtac atttttgtcc ytctccacc caggatatct cctattttct 660  
 tgctaatacc agaaccttt cttttgcttt ttttaaggac atttggaag ttctgtgtgt 720  
 aggaccttc tccctgggat aagaaacctg cctgtaaacg ctctgtaaat actcccttcc 780  
 acccatccca gccctgggc agccgggcag aagggaatcc aggtatgga cctcccaagt 840  
 ccccgctccc cgctccctc ggccggcccc cctgtgtctg atctgtgtgt gagtgtgtgt 900  
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10004550.120701

<210>	56
<211>	1603
<212>	DNA



<213> Homo sapiens

<220>

<221> SITE

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (788)

<223> n equals a,t,g, or c

<400> 56

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acgatactgg	gaatggacac	ccagaatata	ttgcatacgc	gcttgtccct	gtgttcttta	300
tcatgggtct	ctttggcgtc	ctcatttngc	camctngctt	naagaagaaa	ggctatcggt	360
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gacagtgtga	atgaaaacag	tgacactggt	gggcaaatcg	tccactacat	catgaaaaat	480
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aactagaatt	cacatcacc	accatatagg	gcttgcatta	ccacgaggca	gaaagcacct	1260
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accaatgctt	tttcctttta	ttctgttggr	aaccagtttt	ctttgtgtca	cagtttggaa	1500
acctcaatac	gaatattttc	cttcccacca	aatattttga	ggcaattgaa	aagccacagt	1560
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<210> 57

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

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<221> SITE  
 <222> (250)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1051)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1052)  
 <223> n equals a,t,g, or c

<400> 57  
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 cctccctacc tttccagac ctctcaactcc tgcctgggtg tccaaccctg tctgtggcca 180  
 gagtatacat tttggaacct cttcgaggcc atcctgcagt tccagatgaa ccatagcgtg 240  
 cttcagcagn aaggccccgag acatgtatgc agaggagcgg aagaggcagc agctggagag 300  
 ggaccaggct acagtgcacag agcagctgct gcgagagggg ctccaagcca gtggggacgc 360  
 ccagctccga aggacacgct tgcacaaact ctcggccaga cgggaagagc gagtccaagg 420  
 cttcctgcag gccttggaac tcaagcgagc tgactggctg gccctgtctg gcaactgcac 480  
 agcctgaatg aggctggcca cctgccactt tgccctgccc tctgcctcca gggctccmct 540  
 myccttcctt ttcttggtga aaggcacctc ctttcctgat aatgaatggt gttccctttg 600  
 cttggctggg gagcccccca ggccagggtt gctggccata gatacctttg ggctgcctgr 660  
 gacaggctcc tgaggaggat tgagggtgaa agtctccac gagtacacta aacctaggtc 720  
 tgggtcaccaa tagggtttgg agagcaaagg gccacaactc atcagctgcc tgtctcttag 780  
 atgcactttc tttttccacc agcacatcct tcaacacaca gaatttcagg gaagagttct 840  
 ccccaaaacc ctagctcttt acccttccat tttagccttc caccagctt ccacaaaaga 900  
 tttggctcta ccttggtatc gctagtaaat aactaatagg caggcagtta tttgggtaag 960  
 gaaaaaaggg gtgggagaga cagaaaattt gccactgct gctcctcccc ttggstytc 1020  
 acctgggatt tgctattgaa tctctaccct nn 1052

<210> 58  
 <211> 814  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (32)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (751)

10004560 "120701"

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

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kgtttttttc	tttttcttct	tctcttcttc	cttcttcttc	tcttctcctt	ctttcttctt	180
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actgcaacct	gggaggcaga	ggttgcagtg	agtcgagatg	gtgccattgc	tctcgtttgg	300
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gtcattactg	gtgggatctg	gtcacacaag	atagcattaa	acgtgacatg	gcacataaaa	420
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aagattggaa	tgtatcttca	aattcagatt	taataaacat	gtaaagatcc	tctgtatata	540
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tatgaaaaga	tagcaatagg	gaatggtgaa	caaataattt	aatttgccaa	ttctaaaaaa	660
catggactta	aaccccatga	aaacttggtt	ccatagtttt	aactgtttta	tggttccaat	720
acaaaaccag	agtgggtttac	attccacaat	naccaaattt	gcattccaatn	ttggggtaat	780
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<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1186)

<223> n equals a,t,g, or c

<400> 59

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atgggaacag	aatggagggc	ctgagaacat	actttctaaa	tgcccttgac	ccagggaaccg	180

1004860-120700

attatctata	tttgttccca	ttttccttca	ccgtgacatt	ccagcattgt	ctgactgtga	240
ggtgggcctt	tgagagcctc	cagggttcctc	aaaacaggcc	tgagcgatgg	gcatcacacc	300
ctctgcctac	ccacrtgcct	gcttacctgc	cagataacca	agtgnagatg	tctgcgagtg	360
gctagttttc	acattcttac	tagtgtttgg	yticaccttg	ggcaaaggcc	ccctctaggc	420
cttgccccac	ctccatcaaa	cgcagacact	gtagtccagc	ctcagyaata	taggaggcaa	480
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cgccacctgc	ccacgctagt	tccatccacg	ctcaagaccc	gcccttagac	caggcaggca	600
aaggccccca	tcacactcgg	ccactagtgg	ggtcctgagg	ccaagaaaga	aaccagaccc	660
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gccactccat	actccagaag	cattattcct	tatttgggac	agccaagggc	agattcacag	780
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cccaccagga	atgccgtttc	ctttttatgg	atctgttggg	aaccagagag	aatcaacaga	960
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<210> 60  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (476)  
 <223> n equals a,t,g, or c

<400> 60						
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tctagaattt	cacagaaaaa	tygmtatga	tacgagcatt	aagtttattt	cttctgatct	180
ttgatgcagc	tttgttcagt	ttatctgttt	ttgtatttat	tggatcatct	cttcccatgc	240
caaaaggggc	tgggtctacat	agctgcgcta	aacacctgat	caaataccta	aaagaaaatg	300
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gtttgctttt	taaaaagaak	kettaaaaaa	aaaaaaaaaa	aaacgagttt	aagaaaagga	420
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<210> 61  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (24)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

<222> (39)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
 <221> SITE  
 <222> (562)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (584)  
 <223> n equals a,t,g, or c

<400> 61  
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 gctactagggt aagccttctg ggactttcag atattttggg gaagattgat ttttggtctt 180  
 acatgctgtg gacccttggc catcaaatgg tatggggaag ctcacccgctc tgtctgtgat 240  
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 ccagcataaa caagccaagg ggaaaaggca ggcatggaat aaaggggggag aataccagtg 420  
 tgtgacttac tgctgactgt gtggattagc ctatcagcag taatcaagca gggcggaggg 480  
 cattatcttt gagccagaag agtgagcact ggscggaggg tggagcatca agaggggggtg 540  
 taggaccnca aggcttcttn cnggggagac aacgtcaata agcngtcagt agtcaccgac 600  
 agttttggga agcaaggg 618

<210> 62  
 <211> 751  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (158)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (159)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (202)  
 <223> n equals a,t,g, or c

<400> 62

10004860 "100701

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tctgctgcta	cagctcatag	aagtcaacaa	ttttcttcaa	cactggtagg	cagcctctaa	120
atggccctga	tcaccctcac	ctcctgccat	tcacaccnnt	gtaaaattcc	acccctggac	180
ctagtgactc	acttctaaca	angagaatac	agcaaaagta	acatcgcttc	tgagggtgagg	240
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tctgatggaa	gccagttgcc	atgtgatgag	gtgccctatg	gagaggccca	cgtgacaagg	360
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ctcagtttgt	tacagagcaa	tagataacta	actcaaacac	cataaaaattc	taatatttta	660
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acacaattac	atgtgatttt	ttaagaaggc	t			751

<210> 63  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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 <223> n equals a,t,g, or c

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caactcctga	60
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780

<210> 64  
 <211> 588  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (565)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<400> 64  
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 gatgacgggc tttctgctgc cgcccgaag cagaaggact cggagatcat gcagcagaag 180  
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 aaaaaaaaaa aaaaaaaaaa aaaanncggg ggggggcccc cccccccc 588

<210> 65  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (15)  
 <223> n equals a,t,g, or c

<400> 65  
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 cactgttaac ctttgggtgta taataaaatc agacactttc ctttgcatta tgtcacatag 180  
 aaatgtacaa ataaagtgt catatatata cacatatatg tatacactgt tttgcaactc 240  
 gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300  
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[illegible]

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<220>
<221> SITE
<222> (674)
<223> n equals a,t,g, or c
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<210> 67  
 <211> 1152  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (668)  
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<220>  
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<210> 68  
<211> 2483  
<212> DNA  
<213> Homo sapiens

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<210> 69  
<211> 536  
<212> DNA  
<213> Homo sapiens

<400> 69  
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cataacatcc tagttgaaaa gtarttattc aaccgcgttt gaaaatgaga acaggttcac 300  
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<210> 70  
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<212> DNA  
<213> Homo sapiens

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gttgattctt tgtaaaaaaa aaaaaaaaaa aaaa 574

<210> 71  
<211> 932  
<212> DNA  
<213> Homo sapiens

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<222> (884)  
<223> n equals a,t,g, or c

<400> 71  
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10004560-120701

<210> 72  
 <211> 996  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

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 aagggaaactg agaccagaga aagaacccaa gagaactaaa gttatgtcag ctaccagac 480  
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 caaataaaga atctcttcac atgaraaaaa aaaaaa 996

<210> 73  
 <211> 785  
 <212> DNA  
 <213> Homo sapiens

<400> 73  
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100043500 "100043500"

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<220>  
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<220>  
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 <222> (886)  
 <223> n equals a,t,g, or c

<400> 74

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<400> 75

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[illegible]

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agagccactc	tgcgccacaa	agggtggggt	ccatcttctc	tccgaggttg	tgaaagtttt	720
caaattgtac	taataggstg	gggcccctgac	ttggctgtgg	gctttgggag	gggtaagctg	780
ctttctagat	ctctcccagt	gaggcatgga	ggtgtttctg	aattttgtct	acctcacagg	840
gatgttgtga	ggcttgaaaa	ggtcaaaaaa	tgatggcccc	ttgagctctt	tgtaagaaag	900
gtagatgaaa	tatcggatgt	aatctgaaaa	aaagataaaa	tgtgacttcc	cctgctctgt	960
gcagcagtcg	ggctggatgc	tctgtggcct	ttcttgggtc	ctcatgccac	cccacagctc	1020
ccaggaacct	tgaagccaat	ctgggggact	ttcagatgtt	tgacaaagag	gtaccaggca	1080
aacttcctgc	tacacatgcc	ctgaatgaat	tgctaaattt	caaaggaaat	ggaccctgct	1140
tttaaggatg	tacaaaagta	tgtctgcac	gatgtctgta	ctgtaaattt	ctaatttata	1200
actgtacaaa	gaaaaccctt	tgctatttaa	ttttgtatta	aaggaaaata	aagtttttgt	1260
tgtaaaaaaa	aaaa					1274

<210> 78  
 <211> 1133  
 <212> DNA  
 <213> Homo sapiens

<400> 78						
aggatttttc	cttgttcaac	caaaaatctga	gcattctttc	tatgttgaaa	acactgaaaa	60
actaatttwa	gttaatgaac	tagaaagaat	attgattttw	aagaaacaga	aaaatactac	120
ttatttttct	tctcaaataa	cgtttctttc	aaaaacttct	ggctgaagta	taacatgctg	180
gtagttaaca	taaatcttgt	ctttctcttg	ttctttatct	ttctttgtta	tttagatgct	240
tgtataaatg	tcttttgttt	ttattaagtg	cctaattgac	agagcttaat	ttgaagaagt	300
gccctaattt	attgaccact	taagaattgc	ctttattggg	gtattttatt	tgttcctgcg	360
tctttttgat	gttgttcagt	ctactcatcc	ctgtgagtat	gtgtggggga	cagctgatag	420
aagggaggag	agtgtgtcta	tgctcaggat	tgccctttag	ccactcagcc	agagatccac	480
agggagcaac	aaggacagtt	tcacatgctt	agactttctt	ggaagaaaca	gtgaggaggga	540
gtaagtogtg	agtagtgtca	agctggatgt	agaattgtcc	taaggcagtt	gacccacact	600
tccaacatgt	tttcaacttta	tttgccccctc	cctacatttg	ggtttaggttc	catttggatt	660
tgcagcaata	atgactttat	ttctctcttg	gtcaggattt	ggcacataaa	atccttttat	720
tatagaacta	gctatttttag	ttacatagta	atgtaactaa	tggagagatt	tatagagaat	780
tttgkttttg	ctgtcatata	tgtccatttt	ggagacagat	atgatagaac	tagaaattaa	840
gttgcatttc	tgcaagtgcc	atttgaatga	acttcaagta	tcttcttaat	tattaaattt	900
tctgatgaag	gcattgtaac	aaatatatag	tattattaaa	tctaattaat	atttggaaat	960
attaataaat	aggtattttta	tttactgtaa	aaagtcaaac	ttcattatgt	agataaatct	1020
tattcttttc	attctttccc	ctgtttacat	cctttttaca	aagcttagtc	accaattaaa	1080
gctttcctat	caaaaaaaaaa	aaaaaaaaaaaa	actcgagact	agttctctct	cct	1133

<210> 79  
 <211> 661  
 <212> DNA  
 <213> Homo sapiens

<400> 79						
gaattcggga	cgaggggaaa	aggatgctga	acgagagcag	aaagcctctt	tcctttgctt	60
caagcctttc	cagtctttat	tttaaactcg	ggttcccttt	ctgtggtcgc	agcaaccttt	120
actccacctg	cactgctgct	cctgggggct	ccccaggcct	ccctctgcct	ttctaccagg	180
tggtcgacgg	gatgcctgtc	ttgcctggac	gcaccactgc	tctcctgtcc	ctcaccttgg	240
cttttgctgt	gccctgctct	gggggttgaag	ctggccccatg	tgtcccccg	agtcattggct	300
gctcctcctg	ggaggcctct	gtgtgcgtca	cgtcttccac	acctgggggc	agctggcgag	360
cccgtgctct	gttccccctg	gctgcttggc	acagagytgc	agcctgggag	tctccgtgga	420
cccagactgg	ggattttgcc	aggggggcga	tgggaggagc	aggtgctttg	cctggcggtc	480
gtgtctgcat	ttctggacgc	cccagagcac	agaagttgcc	ggcactttga	ggtcttctct	540

```

ggcatgtgcc agattacatg agtgacggct gggaatatgt tttctttttt gtaatggagg 600
cgtgtttcac atatagtaaa gctcaccaaa aagtaaaaaa aaaaaaaaaa aaaaaactcg 660
a 661

```

```

<210> 80
<211> 1378
<212> DNA
<213> Homo sapiens

```

```

<400> 80
agacgtgaaa catgtgaaca ctcaagtga gcaaaagcct tccatgatta cctttttatg 60
tcacctcggt accctggagg tccaaggccc ccattgagga tacctaata ggcacttgga 120
ggtgtccag gaagtcagcc attactcccc agtggaatgg atccaactcg acaacaagga 180
catccaaata tgggtgggcc aatgcagaga atgactcctc caagaggaat ggtgccctta 240
ggaccacaga actatggagg tgcaatgaga cccccactga atgctttagg tggccctgga 300
atgcctggaa tgaacatggg tccaggtggg ggtagacctt ggccaaaccc aacaaatgcc 360
aattcaatac catactcctc agcatctcct gggaattatg taggtcctcc aggaggtgga 420
gggccaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac 480
atgtatactt taatgaatgc agtacctcct ggacctaaca gacctaat tccaatgggy 540
cctgggtcag atggtcccat ggggtggatta ggaggaatgg agtcacatca catgaatggc 600
tctttaggct caggagatat ggacagtatt tccaagaatt ctccaataa tatgagcctg 660
agtaatcaac cgggcactcc aagggatgat ggcgaaatgg ggggaaat tctaaatcct 720
tttcagagt agagttactc ccctagcatg acaatgagcg tgtgatccat taccaagtct 780
cctcatgaaa accacagtga gtcagccctt cacagaacta ctacggaaga aaattattca 840
tcacagtgt cagttaaaca aaggaatctc agtcacacca aaccaacctt tttatttctt 900
gctctctccc ctcttttgtg aagaaagcgg gtccaaatgt gattcaaaca actgtacgga 960
gtggcatatt agaattgccc taaactgaac tgcaaataat tatgtgtgta tgtatatgtg 1020
tgaggaaagag aatgtactgt atatgtgtat gttatacaga catatacaca tacatacatt 1080
gacccacagg acattgtaaa atattatcac atgacatctt aagtagaaat aagtagggac 1140
ttttattcca tctttttttt cacgtttaca ttttaattat tacaagttgc tctgcccccc 1200
tccctgaact attttgtgct gtgtatatca ctgctttata taagttat ttttaagggtga 1260
actcagatgt tatggttttg taaatgtctg caatcatgga taggaataaa atcgcttatt 1320
tgagagcttt cattaaaaaa aaaaaaaaaa aacttcgagg gggggcccgg tacccaat 1378

```

```

<210> 81
<211> 1440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (38)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (41)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1128)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE

```



<222> (1129)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1440)  
 <223> n equals a,t,g, or c

<400> 81

actttgtcca	aatgtgtctg	tcacatgtag	tcagctgnag	naatttaaaa	tgaattgccca	60
agtgaagagt	ctgtggatta	attggccgtt	aattaacagg	ctttatcaat	gtgtcctcaa	120
gggagaggcc	caacccta	taaggagcta	aacttcctga	gtgaggggct	gtgaggatgg	180
aggtggagga	ggcatctggg	gcgggtggtg	gccgggcccag	cagatggcgc	ctccctggct	240
gagctgccc	caccgccagt	tccctcattt	ccactcagga	aggcagagaa	ggcagagtga	300
tctcctcaag	gaagagcttc	cccagccttc	gggagcagct	ggcagggcgt	ccgggaataa	360
gccctacacg	ccgccgcctg	cctccaactc	actaaccttg	cgctcttgt	ctttcagatt	420
caacgcgttc	aacagaagcc	atccccagcc	cagcttaaat	tataaagata	gacaataact	480
ctgttccaat	ctgcgtgggtg	cttctttagt	aaatactgta	cagattttac	catggagaac	540
ttttttttta	gtttttacct	tttcttaatt	acccttattc	cgaatggacg	aacactttct	600
accactgctg	accattgtaa	aataccgtgt	atataaatcc	cattgaaata	atgccctgga	660
atagaacatc	tcaaatgctg	cttaattaca	gactcagggtc	gattacttgt	atttcatgta	720
atgttcctcc	aagtttagaca	tctgggtgcaa	gaccaaccgg	gagaccatgg	aattgtcaaa	780
agtacaaact	gacagtgtgt	atattttaatt	taaagactta	tttaaaaact	cacaagctct	840
cacctagact	ttggagagca	gtctgttttc	tgtaatgtct	gatactagaa	actaatttgc	900
ttattttagt	tgtattcaag	atttgaagat	gtattttata	gacaagttct	gtttttgaac	960
tttgtggaac	tgttccaatc	aatcaatttc	ccagttatga	tgagtattta	cattatgaat	1020
gtataaccca	gacatgattt	gtaaagccga	cagtatgttt	ctattacaca	acactttttg	1080
atacagcgtc	tcttgtcttc	actgatactg	gagtctccgt	tgtctgcnnng	gtcccttcga	1140
gtttctagtt	acagacacaa	tcatactgtg	attttatttt	taatatggat	atgctatcaa	1200
actgtgatac	acttataatt	cactggctct	gcacaggag	atggagtggg	gaaaactgta	1260
tttaatacag	tttgtatctg	aataatctgt	atggtttata	cagttttgtg	tgttcagaga	1320
tgtttaaggt	ttgatctttg	ttttctaaa	gattaaaaaa	gcacttgccc	cactgtaaat	1380
atacagcatg	taaaatttct	rtagtatata	aatggcgagca	aatcacaaaa	aaaaaaaaan	1440

<210> 82  
 <211> 1381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1379)  
 <223> n equals a,t,g, or c

<400> 82

cccgggctgc	aggaattcgk	yacgaggcca	gcagttgctc	ccagttcagg	aggtgctcct	60
gtaccctggc	cacagcccaa	tcttgccact	gctgacatct	ggggagactt	taccaaactc	120
acaggatcaa	cttcagcca	gacccagcca	ggcacaggct	gggtccagtt	ctgacctgag	180
cacggttttt	cctcatgtga	cttctgggaa	ggcgctccct	catctggggc	aaaggaagga	240
ggacgaagcc	ctcctcagct	ggcctgtgtt	tggggcatga	atctctcctc	tctccttgt	300
ctggctctgt	tgacaaaccg	ggcatgtttg	gcagtaaat	ggcacccgtg	cacactgttt	360
cctgggattc	aagtatgcaa	ccagaacaca	ggagaagaaa	agctccagga	tccctgtccc	420
catctgtcct	cttgatgtga	gagagactct	gagacttctt	ccatcgcaat	gacctgtatt	480
aaacacaagc	cccccaagca	aaagaagagg	ttgagtttgc	tgccaggatt	cagatcagcc	540
cttcccagg	tctgcagggtg	tcacatgata	acagttcagc	gggaggcttt	ccgtacccac	600
actggctgta	gcacttcagt	ccatctgccc	tccagaggag	ggtttcttcc	tgatttttag	660
caggtttaga	ggctgcagct	tgagctacaa	tcaggaggga	aattggaagg	attagcagct	720

```
<210> 83
<211> 1706
<212> DNA
<213> Homo sapiens
```

```
<210> 84
<211> 573
<212> DNA
<213> Homo sapiens
```

<400> 84  
gaattcgcgc cgaacttggt agccttagaa ctgcatgagc tgctttacca ctgggaacaa 60

```

cgagcacagc ctagcttgat tttgtatgtg gtatcagatc taagggtggat ggaattcagg 120
acttcctgtc tactctttga ttttgtttta tttttagaaa tgttttattt tgtttttattc 180
atattattcat cttcagagac atgggtctggc tctgttgccc aggatggagt gcatgggtgtg 240
atcataggcc actgcagtgt tgagctcccg ggctcaggcg atcctcctgc ctgagctycc 300
ttagtagctg ggactatagg cacatgcctt accatgcctg gctttgtcta ctttttgaat 360
gatgtcycaa actagaaggt ctattaattt aaaaaattaa ggatagcatg ccataattaa 420
aaataataac agtgggaaaaa ggcaccttcc aatgattcag acatcaactt gtgattttaa 480
aaaacgaaaa ataaataata ggaaaaaaag gggaaaaagt taaataaaaa taaaatttaa 540
aaaaaaaaaa aaaaactcga gggggggccc gta 573

```

```

<210> 85
<211> 684
<212> DNA
<213> Homo sapiens

```

```

<400> 85
ctctttggct gtgtetacct ccttcatctg ctgcccgcac ataagcaccg ccttgcacct 60
aggctccagc cgtcccgcac cagccccag gcaccgagag caccagcatg ggcaccaagc 120
caggcctccc aggtctctct ycaagtcctt tatgccacta tcaacaccag ctgcygccca 180
gctacttttg acacagctca cccccatggg gggccgtcct ggtgggctgc actccccacc 240
cacgctgcac accggcccca gggccctgcc gcctgggctt ccacacccat ccttgcacgt 300
ggcagctttg tctctgttga gaattggact tacgctcagg caggggagar gcctcctcac 360
actggctccg gcctcactct ttccctgac cctcgggggc ccaggggcat ggaaggaccc 420
ttaggagttc gatgagagag accatgagga cactgggctt tccccctccc aggcctcctg 480
gggtgtcatc ccttacttta attcttgggc ctccaataag tgtcccatag gtgtctggcc 540
aggcccaact gctgaggatg tggctctgtg gcgtgtgtgg gcaaggtgtg gagtgtgtga 600
gtgacagtta cccatttca gtcatttctt gctgcaacta agtcagcaac acagtttctc 660
tgaaaaaaaa aaaaaaaaaa aaac 684

```

```

<210> 86
<211> 1036
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (1020)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1024)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1032)
<223> n equals a,t,g, or c

```

```

<400> 86
tggaggcaga tgcacaggag aaagggtccc gtcgcacccc tctcagacct gaggctgagc 60
ttgcagttag ggcttctcct cggccccctg cccgccccca gagctgccat ccttgcctgt 120
acaagccaga ggagcccgga tgtgaggccc cagatcacct ccagggaact ggggttccca 180
tctgaaatcc tttatttttg taccatgggg tgggccccgg gctgagaagg aagaagcacc 240
ctctccccgg cctcctctgt ctgcacccgt ggggctgtga cttactcctg cctccagggg 300
cggggcgggg ccccttggga cctcttaagg cccaaggtgg gcccaggac ctytgggcag 360

```

1000450.120701

```

agtggaytgc tcatggcaga tgtgtggcaa tgtctggctg wgtctttccg gcamctgcgt 420
yccctytccc gggytccccct gctgcatggt ggatgtgctc ctccctggcc cggtcacatt 480
gcctccttga gccttagtcc aggggggtcac tyctcccacc ccacctacct cacaggggtg 540
ttgtgagggt gcacagagga gcaaagtcct tgaaggccct caggcagtat atagggggccg 600
cccaccttca gctgccctgg gatgggaagg acccagcccg acccctgggc ataactgt 660
gtttgcaaat ggagattcag gtattgggga tgcaggttgt ggggagctgg cctggcagag 720
taggggtagt tggcttggcc ttctctttgg tgatcccacc ccagccatt tgcattgctg 780
gcccagcgcc tggcctgggg ggcggggaga ggcagcagaa ggggctgggc aggggcgggtg 840
gaggactcag gaactgcccg gggagagtgg gtatggcggc tgagccaggg gccctcctgt 900
gtttgacttc ccgggatggg tccttgcttc tcagctgtgt ccgacccac catgtaataa 960
aacccaaagg aacagcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
ccnngggggg gnccccg 1036

```

```

<210> 87
<211> 908
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (805)
<223> n equals a,t,g, or c

```

```

<400> 87
ttaaacaat ggaatcatgc aatatgtgac cttttgcgtc tggcttattt tatttagcat 60
aatgtttttg aggttcatcc aagctgtagc atgtatcagc acctcatttc tttttctggc 120
tgaatattat tccattatat ggatttacca caattcattt acctattcat cttttgtttc 180
tgctgtctgg ctattgtgaa taatgcttcg ataaacattc atatacaagt ttctatgtgg 240
ctttatgttt tcatttctct tggctatcta catgggagta gaattctagg tcataatata 300
attttatgtt taacttctca aagaattgcc aaaaggtttt tcatagtggc tgcattcatt 360
acattcccac cggcaatgta caaggatttc tttttttcca tatccttgca cttaccaaca 420
cttctttttk gtwatwattt tgttttttca ttattgccac cctagtggat gtgaaatggc 480
atcttattgt tttgatttgc atttctctaa tgacaaatga tatcatactt tttttatgtg 540
cttacggatc aaagggtattt ccttggagaa atgtcccttc aagtcctttg ccatttcaaa 600
atgtggttat ttgtctttta ttattcagtt ttaagaaatt ctggccaggc gcagtggctc 660
acctgtaatc mtagcacttt gggaggccaa ggcgggcaga tcaacttgagk tcaggacttc 720
gagaccagcc tggccaacat ggtgaaaccc catcttacta aaaatacaaa aattagctgg 780
gcgtggtggc aggtgcatgt aatctatct actcaggagg ctgaggcagg agaatcgctt 840
gaaccagga ggcggaggct gcagttagcc aagatcacgc cattgcactc tagcctgggt 900
gacacaga 908

```

```

<210> 88
<211> 655
<212> DNA
<213> Homo sapiens

```

```

<400> 88
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gactacaaaa tccgccttgg tattcttcaa atgcatatat attcctttct tgtcagctcc 120
ctctcttctt agattagaaa actgcctcat tttctgctca ctggatgtgc agtcccagct 180
tgtcttcttc tctctcccc cgtttgcagg tgttcttttt tttttcttct tctcccact 240
gggcagcaaa agttttagtcca cagtggaaaw ttaggcatcc tcaagtttcy tcccagcttc 300
tgctgtgttt tcttagagta aattgccaat ttctgttttt acaggaaatc cttttttaa 360
aatggaatca gtgtggtccc catctactct gcaaaaattg catttttctc tattttcaaa 420
tgagatttgt tcaagtttca aaaccacgtg aaataataaa tgtatagtag ttttcttttc 480
cttgggcatt gctwgatatg tgaaatgggt ttatgaaaaa taataaaatc ataacgctat 540

```

ttgttttgact ttcaatttca tgggaatttt tctcagctaa actctaaatg gtgattargc 600  
 aaaaaaaaaa aaaaaaaacy graggggggc cgggtaccaa ttcgcctat aatga 655

<210> 89  
 <211> 1102  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
 tttttttttt accattttaa ataaaatgaa agtgaccttc tgtttataaa aatctttgtc 60  
 tgcattctctg cttatttctt tagaagagat tccaagaagc ggtgagtgat ttcacggcag 120  
 cagagggttg ggacatatta cgggcgcgga tccctcttgg agtgagatga ctctccggag 180  
 agatttagtc gtcacctctg cgtgtgaggc tgcgtcacac ccagggatg tgtctatcaa 240  
 gatggaagat cttttacacg ctcttgattt tgtttgacct ttttctatt actagtgaga 300  
 atgaaacttt ttatatgatt attatccatc ataatccaac acaaattact gcttcatggt 360  
 cttttacttt cctgtgaagg ttttagtgcc ttttaaaaat tgctatatat taagcttggt 420  
 aatacttcca tgctgtattt gtggccatca gtttccccgg gcacaggcct gcacattttg 480  
 ccttcacacg ctgggtgggt tttcattttc acttctattt ctggttcttc tatcgtttta 540  
 tgttcagacg ggtttctcgg tgtagaaagc agtttatgaa gatttacttt cgacagtctt 600  
 ctctctactt tctacagtga attctctgay gtgtctggga gtwtgggggt ctgggtaaga 660  
 rtctctctct caccctattc tctattaaga tccacagcct catgctttat garattgggtg 720  
 gccgggarcg ggggagattt gccgatcccc caagccagac tttatcccc tatccctgcc 780  
 tctggatccc acgtacaggc ctgggaactc cctgtgggta gggggccaatg gtctcgcaact 840  
 ctcacctgta cccagggct ggcacaggat ggtcaaggag agaggctgcc caagcgcac 900  
 cytctgggtg cccctgaca cgcctccaaa gtgagcaggt aggtttcaac agccccacgt 960  
 tgcaggtggg agatgaagct cagggtggag accagtatct cacagttctc tttgcatggc 1020  
 cgggtacttg ttagtcaact gatcaagtga aaattctagc ccagaggca ggagaatccg 1080  
 gaacaaaatt aaaccagcca gg 1102

<210> 90  
 <211> 1533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (123)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1522)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1527)  
 <223> n equals a,t,g, or c

<400> 90  
 ggcacgagcc gncacgggca gcgccccata gcgccaggga cccccctggca gcgggagccg 60

```
<210> 91
<211> 575
<212> DNA
<213> Homo sapiens
```

```
<210> 92
<211> 639
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (126)
```

<223> n equals a,t,g, or c

<400> 92

tccttttcac	tttaagcacca	cccgacaggg	caggtactat	taccatctcc	gtttgacaga	60
tnaggaacct	ggcacaggaa	gcattttaagt	ggattcccca	ggatcgcccc	actgtcagga	120
gcagantcag	aatgggcctc	agcatcaggc	tcccaatcct	ggcttctaac	tgctgcgctc	180
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gtcaggaagg	aaagggttaag	gatgccagga	aggcttttaa	taaataacct	gacttagatg	600
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<210> 93

<211> 858

<212> DNA

<213> Homo sapiens

<400> 93

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<210> 94

<211> 526

<212> DNA

<213> Homo sapiens

<400> 94

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<210> 95

<211> 426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 95

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&lt;210&gt; 96

&lt;211&gt; 844

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (490)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (732)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (835)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 96

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agcacctgta tataactgcc agcctctgct gccctctcc aaaaagtctc tgccctgtc	360
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tcagtgaagc atttggggst gctagctctg cctatgggtg aggtcagcta tctcacgcca	720
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (332)  
 <223> n equals a,t,g, or c

<400> 97  
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 <212> DNA  
 <213> Homo sapiens

<400> 98  
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<210> 99  
 <211> 1760  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (24)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (39)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (255)  
 <223> n equals a,t,g, or c

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 <211> 599  
 <212> DNA  
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<400> 100						
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cctcatcctg	atgggcactg	aactcactca	agaactccgct	gcccccgact	ccctgctgag	180
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<210> 101  
 <211> 784  
 <212> DNA  
 <213> Homo sapiens

<400> 101						
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tcga						784

<210> 102  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 102  
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<210> 103  
 <211> 2218  
 <212> DNA  
 <213> Homo sapiens

<400> 103  
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 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
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 <222> (774)  
 <223> n equals a,t,g, or c

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 <211> 2066  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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&lt;210&gt; 107

&lt;211&gt; 1167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 107

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&lt;210&gt; 108

&lt;211&gt; 1907

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 108

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 1907

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 <211> 611  
 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (607)  
 <223> n equals a,t,g, or c



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 <212> DNA  
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<220>  
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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<222> (621)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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 <213> Homo sapiens

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&lt;210&gt; 115

&lt;211&gt; 3684

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3679)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 115

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<220>  
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 gggatgtcct ccaggcacct ggggtcccatg accagctccc cgtctccata ggggtaggca 1860  
 tttcactgggt ttatgaagct cgagtttcat taaatatgtt aagaatcaaa gctgtctttg 1920  
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&lt;210&gt; 117

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

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&lt;210&gt; 118

&lt;211&gt; 1071

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 118  
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 gatggagaag gaggtgtcag atttcattca agacagtggg cagatcaaga aaaagtttca 240  
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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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&lt;210&gt; 120

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

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&lt;210&gt; 121

&lt;211&gt; 2635

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2605)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 121

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 <211> 994  
 <212> DNA  
 <213> Homo sapiens

<400> 122  
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 scaagaggtg aaacaagatg tgagagacaa ggggtaggga agaaatgggg cagcggttag 180  
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<210> 123  
 <211> 1542  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1445)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1535)  
 <223> n equals a,t,g, or c

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 <212> DNA  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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10004560.120701

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&lt;210&gt; 125

&lt;211&gt; 1288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1286)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 125

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caaaaggcgc	atccggcaga	gggaggtggt	ggacctgtat	aatggaatgt	gcttacaagg	300
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<210> 126  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (1123)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
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 <223> n equals a,t,g, or c

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<210> 127  
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 <212> DNA  
 <213> Homo sapiens

10004860.120701

<400> 127

<400> 128

 $\langle 222 \rangle \quad (1152)$

<223> n equals a,t,g, or c

<400> 129

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gccattctcc	cctctcccac	tgtccctaac	ccgttcaaac	tctttcctct	taaatggttg	240
agattttctc	tcaccaagca	caccccagta	ttaattaaac	tagctgcaaa	caggcagcaa	300
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<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

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10004860-120701

<210> 131  
 <211> 1950  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (132)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (225)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (249)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (577)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1933)  
 <223> n equals a,t,g, or c

<400> 131  
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100460-12001



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 <211> 990  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (962)  
 <223> n equals a,t,g, or c

<400> 132						
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<210> 133  
 <211> 1720  
 <212> DNA  
 <213> Homo sapiens

10004860-120701

&lt;400&gt; 133

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&lt;210&gt; 134

&lt;211&gt; 705

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 134

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<211> 323  
<212> DNA  
<213> Homo sapiens

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<210> 136  
<211> 582  
<212> DNA  
<213> Homo sapiens

<400> 136  
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<210> 137  
<211> 1021  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1004)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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30004860.120701

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agccttagat agcagcagaa ggctttttgg attctcctcc ttgaaaagat tctcagttac 960
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a 1021

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<210> 138
<211> 1777
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (661)
<223> n equals a,t,g, or c

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<400> 138
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tagctcactg cagccttgaa ctctggggct caggcaatcc tcctacctta gcctcctgag 180
tagctaggac tacaggaatg tgccatcatg cctggctaatt ttttaagttt tttgtanaga 240
tgggatctca ctatgttgcc caagctgggt tcagattcct gtgctcaagg gattctgcta 300
acttggctcc ccaaagtgtc gggattacaa atgtgagcca ctgtatctgg cccatattct 360
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ttatgaaatt gtgtgccctc tgacaggcaa ccaaacacac acgacttcat ttctttatta 480
attcctgcct catcatcttt tctcattgat gctccttaat gtcaaaggaa tctctctctc 540
tcacacacac ataagaccaa aacaaatctc ttgaacatgc aaaaaaatag tctacgcttt 600
tgaatagtgt gcaactgttg atagtgtgca ctgttggata gtgtgcaact ttgaagtgtg 660
natgtgccta aggcacagc atcttgggaa agctctagat ttttggcytc gaaataaaac 720
tgcattgtga atagcagggt tttacattta ttattgttgt gtatttctct ccttttttgc 780

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10004860-120701

aatactatct	acgctgagtt	atctattgcc	aactagcacc	aattctccaa	atcaaagtgt	840
gtgaggaaaa	cacactcgtg	caatcctctt	taacagaaga	tacaccaagt	aacctgtctg	900
tctactttctg	ttaccacagaa	ataaaagaac	ttgaagggtc	gcttggctgg	aggggtccgg	960
gtgggagagc	atcctgccct	cagtcggaat	ccatggtgaa	cagctggatg	tctgtggat	1020
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cctcggtctg	ctcctcttcc	acataatttg	atttcaattc	tggaaatttc	ttcagtctgt	1140
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cagctcccag	cttgagcaa	ccttgagcta	aagaaggaga	tcaccagatc	aatattttgc	1260
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<210> 139  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<400> 139	
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ttcattgtgg	120
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cgccactgtg	240
acatgtttct	300
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agcctccttg	480
ttctccttgc	540
ttttggtagg	600
cggggggatcc	643

<210> 140  
 <211> 1220  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (404)  
 <223> n equals a,t,g, or c

<400> 140	
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gagtagctgg	180
agacggggct	240
tgcytcggcy	300
tgtttgtttt	360
atctcggtc	420
caaagtgtg	480
agaggtgggg	540

tgatctgccc	actttggcyt	cccgaaatgc	tgagactaga	ggcgcgagcc	accacgcctg	600
gcctacaaac	acattcttgt	ttgggttttt	atataaaaata	tgagcacaaa	aatactttcc	660
ctaaatacag	cctctggctt	tgccataccc	ttggcacaca	sccaagtacc	tcttccattc	720
tcagatacgt	gaggggagtg	tatagagggt	tagagtacat	acgtttcttc	tccaactctt	780
cgtcgtctag	aagaagacta	accacctctt	tgggtttcaa	ggtatctggg	ttgaagtccc	840
cacctgaaat	caccatccgc	tgaatctcac	tcttctcctt	ggctctttgc	agaatgcgtt	900
cttcaatggg	gccttttacg	atgagccggg	acacagtaac	ctgctttgtc	tgccctaagc	960
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aacacaaaga	tgtcattcct	gttctgaaaa	tcagcaacca	tgtctcgctt	ctccgagatc	1140
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aggtctatca	tcctcgtgcc					1220

&lt;210&gt; 141

&lt;211&gt; 721

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (623)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 141

aattcggcac	gagccagggt	agccggaagg	gcagctctcc	aggccctgcc	cacccacacag	60
ggggctcctt	atgcacagcg	gggcgtctcc	ttgtggccat	agaaacggaa	ctggctcttt	120
tcaacagtgc	tgcaagagga	tggttatatta	acgctggccc	ccaaggagga	aaggcacaga	180
cyttcctccc	tcctggaaca	tccaagggca	ctggatcctc	tgtgtccctc	tgagatgggg	240
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gaggggaagag	agccagggtc	ggagaccggc	acccaggcag	cagactgcaa	ggatgccccg	360
ctgaaggatg	gaacccctga	gccaaagagc	tgaaatgcct	ctctccagag	tcggaccctc	420
acctcyttcc	tggaactgcc	tttggcccca	gaaccatgag	acaatcccca	ccctgagaag	480
ctccgatcac	tgggaggaga	gagaaagcct	ccagctttgg	gattcaggct	tcagaagttt	540
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tttgttgtaa	acttttccct	tgccaacttt	cotttggttg	ccagaacaaa	gccctccaga	720
a						721

&lt;210&gt; 142

&lt;211&gt; 1468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (901)

<223> n equals a,t,g, or c

<400> 142

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gttttattct	caaaatatag	agattctgtg	atttatattgc	cctgtttatg	gattaaaaag	180
aaaattctaa	tataaagcat	ttcaatagga	tgcataggta	tattacgttt	tttaaagtct	240
ttagatctgt	gattcttgac	ttactattta	ttttatcccc	tttaagtcag	ggatgcttta	300
ttctatttta	aagcacttat	gagttacatg	ttgtaatcaa	gtttgcacaa	tatatattatc	360
tatatgagga	acccataaat	gaatagctaa	ttttttaaata	gccattaaaa	tgcatgaaat	420
kcttattaaa	acettactat	actatttctt	caaggcaagt	aaattgacca	tgrgraaagr	480
acacagttat	taaacactgt	tgacaggaaa	attctccttg	ataacatagg	acaattaatg	540
gaaaaaaaaa	ttctcattat	ttgcaaagaa	tgaacaagtt	aatgaacaaa	caaactagat	600
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ttgagaaatc	agatagcaat	atagacattc	acagcagctc	tgtggatacc	atgtaattgt	720
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taagtatat	taattcatat	gtttgatttt	taaatccac	ctcctcaagc	tatccaattt	900
nctgactttg	aaaataacca	tgagagatgc	cacatttctc	tctgggaaac	taccactcaa	960
agaataattg	ttaaaaatta	agcttttagg	tattagaagc	tggtataaaag	tataaaatta	1020
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aatttggaat	tgtgtctttt	atgttccatc	ctctgttggt	actagattta	gtttaaaaat	1380
tgtgtatgac	cattaatgta	tgtcataaac	atgtaaataa	aagatgttga	atcttgttga	1440
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<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

<400> 143

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tctgttaatc	ttttgtattc	rttatgctc	tcgtacattg	agtactttta	ttccaaaact	180
agtgggtttt	ctctactgga	aattttcaat	aaacctgtca	ttattgctta	ctttgattaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaccccnag	gggggggccg	ggtncccaat	cccccccaa	300

<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

10004560-120701

<220>  
 <221> SITE  
 <222> (929)  
 <223> n equals a,t,g, or c

<400> 144

tgccctccctt	cctgcagatt	gtggacagta	gttcctcagc	ctgcaccctg	gattcccttct	60
tcccccttct	agctccatgg	gactcgcccc	aagactgtgg	cttcaaggac	caccagcccc	120
ttactcttca	agccctgact	gtggagttgg	tagatgcctc	tgatcctcag	tattctctct	180
ggcaatgttc	cacggcttct	ccttcctggg	agctggctcc	ataacttgat	tttccccaaa	240
cgtgttgcaa	tccctgctgc	cccttagcca	cccagggtct	tgtgtgggta	tgagtgtaga	300
ggatgggggt	atgccaggcc	tgggccgtcc	caggcaggcc	cgctggaccc	tgatgtact	360
cctatccact	gccatgtacg	gtgcccagtc	cccattgctg	gcactgtgcc	atgtggacgg	420
ccgagtggcc	ttycggccct	cctcagccgt	gctgctgact	gagctgacca	agctactgtt	480
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ccaggctgct	cccttcgcac	tatcagccct	gctctatggc	gctaacaaca	acctggtgat	600
ctatcttcag	cgttacatgg	accccagcac	ctaccagggt	ctgagtaatc	tcaagattgg	660
aagcacagct	gtgctctact	gcctctgcct	ccggcaccgc	ctctctgtgc	gtcaggggtt	720
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gtacacagag	gtgctcatga	agcgacagng	gctgcccctg	gcacttcaga	acctcttctt	960
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cccctaggag	atgtgaagtg	tgggtttggg	taaggaaatg	cttaccatcc	cccaccccca	1500
accaagtctt	tccagactaa	agaatttaagg	taacatcaat	acctaggcct	gagaaataac	1560
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aaaaaaaaaa	aaaaaaactc	gag				2243

<210> 145  
 <211> 1082  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (265)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE



<222> (354)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1064)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1081)  
 <223> n equals a,t,g, or c

<400> 145

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aaccatctcc	cacaattaat	tcttgactat	ataaatttat	ggtttgataa	tattatcaat	180
ttgtaatcaa	ttgagatttc	tttagtgctt	gcttttctgt	gactcaactg	cccagacacc	240
tcattgtact	tgaaaactgg	aacancttgg	gaatgccatg	gggtttgata	atctgccagg	300
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gagaacaacc	acatttttct	ttgtgtgtgc	ttctagcagc	tggtcgggag	gaccktgacc	420
caayagtgtt	cccagctgtg	ttcttgtgaa	atgctctcgg	ctatgtagca	gcttttgatt	480
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tgctattttt	gtgggttttg	ttctccact	atggtaggac	ccctggccag	cattgtggct	960
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ng						1082

<210> 146  
 <211> 4313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1126)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4015)  
 <223> n equals a,t,g, or c

<400> 146

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gccaccatgg	ccatggatgg	aatggagggtg	gtgattctag	atgtccgggt	tcctgcacac	960
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&lt;211&gt; 1183

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1053)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 147

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&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 148

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2890

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&lt;210&gt; 152

&lt;211&gt; 802

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (755)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (757)

&lt;223&gt; n equals a,t,g, or c

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<223> n equals a,t,g, or c

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aactttctag	taaagaattg	aaaagcaaat	cctcactaaa	ggatacacag	gataggataa	720
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<213> Homo sapiens

<223> n equals a,t,g, or c

<223> n equals a,t,g, or c

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<213> Homo sapiens

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&lt;210&gt; 155

&lt;211&gt; 642

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 155

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tccgtgagta ttocaaaata tatttaataa tggaatatct gcattaatat accatccatg 240  
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&lt;210&gt; 156

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 <212> DNA  
 <213> Homo sapiens

<400> 156  
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<210> 157  
 <211> 2127  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1212)  
 <223> n equals a,t,g, or c

<400> 157  
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 ccgcttgga atgtcccaga atgtgtcctt ggctcactgt gaactgagca aggacgccc 300  
 ggcgtcagcg cncctgcag cacccttgcc tgagcggaa cctctcagtg ccatcttcaa 360  
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<210> 158

<211> 1625

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1066)

<223> n equals a,t,g, or c

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aaaaa						1625

<210> 159

<211> 1687

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1670)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1678)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1683)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1684)

<223> n equals a,t,g, or c

<400> 159

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ctaagggacc	aaaagcgtat	gcgacttact	gaagtgcgaag	atgataaaga	ggaggaggag	240
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<210> 160
<211> 1842
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1793)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1834)
<223> n equals a,t,g, or c
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cttctacttc	aggtgtgcca	ggcctttcta	gtttgcagtc	tgacccagct	ggctgtgtga	420
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<210> 161  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (744)  
 <223> n equals a,t,g, or c

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<210> 162  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 162

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ccgtgtgaca	aggtgtcctc	tctgagcctc	agtcacacac	tgcccttaacg	gttgggcctc	180
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aaytgggcag	gggtgacaga	tacctcttct	aacctagtct	ctttccaaga	acctaattgg	360
tgtctctccc	tccccaggc	aattggaagg	aggaggctgg	gccccagccc	cagaatacgg	420
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&lt;210&gt; 163

&lt;211&gt; 753

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (720)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (736)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (741)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 163

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tctttgcctg	gctggttgct	cctcactcag	tgttcaggac	aaatgctcct	ggccctaccc	360
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catacgtgca	cacgcagaat	gcttccaggg	gactgcacag	cctctagtct	gcagccccca	660
ccccctcctt	tgsccttgca	ctctccccct	tctgagctgc	attcgcatga	aaggggtgcan	720
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&lt;210&gt; 164

&lt;211&gt; 1893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10004560-100700

&lt;400&gt; 164

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ttctgcaaac	agtgtagtaa	gaaaggtaat	ttgagaattt	ccaagatgt	tctcgctagc	180
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&lt;210&gt; 165

&lt;211&gt; 2153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1670)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2134)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2135)



<223> n equals a,t,g, or c

<400> 165

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tatgtcaaaa	ataaagccgc	tagaaacgga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2100
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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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gtcatctttg	gaacagtgat	tgcaacagca	cttatgggat	tgacagagaa	actgattttt	600
tccctgagag	atcctgcata	cagtacattc	ccgccagaag	gtgttttctg	aaatacgctt	660

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<210> 167
<211> 882
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (522)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (752)
<223> n equals a,t,g, or c

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<400> 167
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gcaccgctg cgcctaccgc gaccggytgc gntcccgccg gagcacgtgc acaacgccag 780
cgcgcactga cttcaacaat tctggcgccg ctacgggaag tctccccac ctcatgaagt 840
caagctcaag aatacaccaa ttctttctgc gcgacccttc tg 882

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<210> 168
<211> 1208
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (161)
<223> n equals a,t,g, or c

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<400> 168
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cccaaattgg aagtccagat acatattagc ctattacaat tctaagttat ttgcagtaaa 120

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gaatatagat	gaagctggtc	tcattttctat	tttccaagtk	nytggggggcc	atagtgtattt	180
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agtttccc						1208

<210> 169  
 <211> 1258  
 <212> DNA  
 <213> Homo sapiens

<400> 169						
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<210> 170  
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 <212> DNA  
 <213> Homo sapiens

<400> 170						
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&lt;210&gt; 171

&lt;211&gt; 2003

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1961)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1999)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 171

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<210> 172  
 <211> 786  
 <212> DNA  
 <213> Homo sapiens

<400> 172		
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 <211> 1758  
 <212> DNA  
 <213> Homo sapiens

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&lt;210&gt; 174

&lt;211&gt; 1369

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

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&lt;210&gt; 175

&lt;211&gt; 2379

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1881)

<223> n equals a,t,g, or c

<400> 175

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<210> 176

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c



<220>  
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 <222> (1024)  
 <223> n equals a,t,g, or c

<400> 177

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 <212> DNA  
 <213> Homo sapiens

<400> 178

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aaaaaaaaaa	aaaaaaa					1637

&lt;210&gt; 179

&lt;211&gt; 2911

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (622)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 179

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<210> 180  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<400> 180						
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 <212> DNA  
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 <222> (35)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (135)  
 <223> n equals a,t,g, or c

<400> 181						
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 <211> 1128  
 <212> DNA  
 <213> Homo sapiens

<400> 182						
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&lt;210&gt; 184

&lt;211&gt; 3374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 184

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&lt;210&gt; 185

&lt;211&gt; 1337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1337)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 185

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gccagcgtgg	cgggcctggc	ggctcccggg	tggtgagaga	gcggtccggg	aacgatgaag	180
gcctcgagc	gctgctgctg	tctcagccac	ctcttggctt	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccaggt	300
cttgggcctc	ctgaccctag	accacggaca	ttaccgccgc	tgccaccggg	ccctaccctt	360
gcccagcagc	cgggcctgtg	tctggctgaa	gctgcggggc	cgcggggctc	cgagggaggc	420
aatggcagca	accctgtggc	cgggcttgag	acggacgac	acggagggaa	ggccggggaa	480
ggctcgggtg	gtggcggcct	tgctgtgagc	cccaaccctg	gcgacaagcc	catgaccag	540
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gggggtattt	aagttacata	tattttaaca	acctttaatt	tgctgttgca	ataaataccg	900
tatcctttta	ttatatcttt	atatgtatag	aagtactctr	ttaatgggct	cagagatggt	960
ggggataaaag	tatactgtaa	taatttatct	gtttgaaaat	tactataaaa	cgggtgttttc	1020
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tggtgtgtaa	aaataattta	aaatttcctt	tactgaaagg	tatttcccat	ttttgtgggg	1200
aaaagaagcc	aaatttatta	ctttgtgttg	gggtttttta	aatattaaga	aatgtctaag	1260
ttattgtttg	caaaacaata	aatatgattt	taaattctct	taaaaaaaaa	aaaaaaaaacc	1320
ccggggggggg	gccccggn					1337

<210> 186  
 <211> 941  
 <212> DNA  
 <213> Homo sapiens

<400> 186	
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ctgattctcc	ccaccagagg acagacgttg aaagatacca cgtccagttc ttcagcagac 180
tcaactatca	tggacattca ggtcccgaca cgagccccag atgcagtcta cacagaactc 240
cagcccacct	ctccaacccc aacctggcct gctgatgaaa caccacaacc ccagaccag 300
acccagcaac	tgggaaggaaac ggatgggct ctagtgcagc atccagagac acacaagagc 360
accaaagcag	ctcatcccac tgatgcacac acgacgctct ctgagagacc atccccaaagc 420
acagacgtcc	agacagaccc ccagaccctc aagccatctg gttttcatga ggatgacccc 480
ttcttctatg	atgaacacac cctccggaaa cgggggctgt tggtcgcagc tgtgtgttcc 540
atcacaggca	tcattatcct caccagtggc aagtgcaggc agctgtcccg gttatgccgg 600
aatcatttga	ggtgagttca tcagaaacag gagctgacaa ccygctgggc acccgaagac 660
caagccccct	gccagctcac cgtgccagc ctctgcac ccctcgaaga gctggccag 720
agagggaaga	cacagatgat gaagctggag ccagggtctc cgggtccgagt ctctacctc 780
ccccaacctt	gcccgcctt gaaggctacc tggcgcttg ggggctgtcc ctcaagttat 840
ctcctctgyt	aagacaaaaa gtaaagcact gtggtctttg caaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa	aaaaaaaaaa aaaaaaaaaa aaaaaactcg a 941

<210> 187  
 <211> 678  
 <212> DNA  
 <213> Homo sapiens

<400> 187		
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gggctctgtt	ttaattaata ctttaaaata attcatattt aaaatatcag atgtttccat 120	
aaagaggagg	atgtttaaat gcctccagac tacattcctt tttattcttg attttacctg 180	
ggagtccaaa	gttcaattcc ataaagcaag cgtttatttg tcactttcaa tatacatcga 240	
ttgccatgct	taagatgcaa tatgggctgc ggaaataggt taaccacag gctcccaggg 300	
cccagtgtag	aaggtgagag attcgtgtaa aatgattcaa ataaaaggaa gaccctggcc 360	
gggtgccgta	gctcacgcct gtaatcccag cactttggga ggccgaagcg agtggatgac 420	
gaggttagga	gttggagacc agcctggcca acatcgtgaa acccgcctc tactaaaaat 480	
acaaaaatta	gccgggcatg gtggcaggca cctgtaatcc tagctagtgt ggaggctgag 540	
gcaggagaat	cgtttgaatc tgggagttgg aggttgagc gagctgagat cgcgccacag 600	
cactccagcc	tgggtgacag ggtgagactc tgtctcaaaa aaaaaataa ataaataaag 660	
taaaaaaaaa	aaaaaaaaa	678

<210> 188  
 <211> 1848  
 <212> DNA  
 <213> Homo sapiens

<400> 188  
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 ccgccggccc ggccgagcgc ggccggccgct gcgattgcag tcgcggcggc ggaggaagag 180  
 agacggctcc ggccagcggaa ccgcctgagg ctggaggagg acaaaccggc cgtggagcgg 240  
 tgcttgagg agctggtctt cggcgacgct gagaacgacg aggacgcgtt gctgcggcgt 300  
 ctgcgaggcc cgagggttca agaactgaa gactcgggtg actcagaagt ggagaatgaa 360  
 gcaaaaggta attttcacc tcaaaagaag ccagtttggg tggatgaaga agatgaagat 420  
 gaggaatgg ttgacatgat gaacaatcgg tttcggagg atagatgaa aaatgctagt 480  
 gaaagtaaac tttcgaaaga caaccttaaa aagagactta aagaagaatt ccaacatgcc 540  
 atgggaggag tacctgcctg ggccagagact actaagcggg aaacatcttc agatgatgaa 600  
 agtgaagagg atgaagatga tttgttgcaa aggactggga atttcatatc cacatcaact 660  
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 actgttgctc ggatctccat ctgtgcagtt ccattccggg gcacagattg tgatggttgc 780  
 tgggattaga taatgctgta tcaactattt aggttgatgg gaaaacaaat cctaaaattc 840  
 agagcatcta tttggaaagg tttccaatct ttaaggcttg ttttagtgct aatgggggaa 900  
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 tttgtttgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1848

<210> 189  
 <211> 1292  
 <212> DNA  
 <213> Homo sapiens

<400> 189  
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 tgaggtggct gcgggactgg aagtcatcgg gcagaggtct cacagcarcc aaggaacctg 180  
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<210> 190
<211> 906
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (145)
<223> n equals a,t,g, or c
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<210> 191
<211> 1941
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE

<222> (1414)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1422)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1427)  
 <223> n equals a,t,g, or c

<400> 191

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ggtaagactt	taaaaaaaaa	a				1941

<210> 192  
 <211> 2118  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13)  
 <223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1643)
<223> n equals a,t,g, or c
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<210> 193
<211> 1538
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (112)

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<220>
<221> SITE
<222> (147)
<223> n equals a,t,g, or c
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ggccaaggcc	gctctgtgcg	cggccgnagc	tggagccttc	tcgccagcgt	cgaccacgac	180
gacgcggagg	cacctctcgt	ccgaaaccg	accagagggc	aaagtgttgg	agacagttgg	240
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gaaaggcaaa	actcacactt	actatcaggt	gctgattgat	gctcgtgact	gcccacatat	480
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&lt;211&gt; 1001

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 195

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 196

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&lt;211&gt; 951

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 198

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&lt;210&gt; 199

&lt;211&gt; 1740

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1736)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1737)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 199

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&lt;211&gt; 1707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 200

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 <213> Homo sapiens

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10004560-120701

<220>  
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<220>  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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&lt;210&gt; 208

&lt;211&gt; 872

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (847)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (856)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (872)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 208

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&lt;211&gt; 1779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 209

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&lt;210&gt; 210

&lt;211&gt; 2110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;210&gt; 209

&lt;211&gt; 1779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 209

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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<220>  
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&lt;210&gt; 213

&lt;211&gt; 997

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 213

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&lt;210&gt; 214

&lt;211&gt; 1496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1435)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1492)

<223> n equals a,t,g, or c

<400> 214

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<210> 215

<211> 1308

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1241)

<223> n equals a,t,g, or c

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<222> (1247)

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<223> n equals a,t,g, or c

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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

<400> 216

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<211> 999  
<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

<400> 218  
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&lt;210&gt; 219

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 219

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&lt;210&gt; 220

&lt;211&gt; 3018

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

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&lt;210&gt; 221

&lt;211&gt; 2031

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 221

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (954)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (961)  
 <223> n equals a,t,g, or c

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natatgat	

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 <211> 1404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1351)



<223> n equals a,t,g, or c

<400> 223

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<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

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<222> (707)

<223> n equals a,t,g, or c

<400> 224

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&lt;210&gt; 225

&lt;211&gt; 1384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 225

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tcga						1384

&lt;210&gt; 226

&lt;211&gt; 774

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (773)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 226

tttaaagatg	aagaaatgac	aagggaggga	gatgagatgg	aaaggtgttt	ggaagagata	60
aggggtctra	gaaagaaatt	tagggctctg	cattctaacc	ataggcattc	tcgggaccgt	120
ccttatccca	tttaattaat	ttctctgaca	attcaattat	tttctgttat	taatgttgcc	180
actgctttct	gtttgtctgc	actttcttga	taaatatttg	ctatcgtttt	actccagtca	240

ttcgatgttg	ctgagattta	catatgactc	ttgtcaacat	ctcatctttt	gacccaatct	300
tattcattta	ataagaggtc	tcattcattt	gcatggaaaa	atgctcattg	tatattgcaa	360
agtgaaaata	acgagttgca	aaacagtgtg	tacatatatg	tgtgtatata	tgtacacctt	420
atgtgtacat	ttctatgtga	cataatgcaa	aggaaagtgt	ctgattttat	tatacaccaa	480
agggttaacag	tgaatctctg	tgtgatctct	ttttttttct	ttttgcctat	ctgcatcttc	540
tcacttgcca	aaaaatgaat	atatgtttat	gtgtgtatat	tacttgtgtc	acaaaaaacc	600
ctaaagtaga	cagtaaaaga	acttgtcaat	cgcttttgga	aggcaatgaa	acacttaata	660
aactctcaat	aacagaagcg	taaaaatgaa	atgtaaacct	ccaattacct	ctggatctct	720
tagccagagt	aataaaactgg	taattattac	agataaaaaa	aaaaaaaaaa	aana	774

<210> 227  
 <211> 865  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (344)  
 <223> n equals a,t,g, or c

<400> 227	
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ggtaacagga	ccggtggggt
agctttcttc	gtcctctccc
tttccaccgg	acgggagggg
gcggtgtggg	gagttggggc
caccgagctt	ccggaccggc
tctccgtccc	ttctcccatc
tcctctctgt	ccctgctgct
accgagtggc	tcaccatcca
actgccttca	ataatctgga
cctgagattc	tcctgtgcct
tgtgtcacca	cctgcttcat
tcacacctgt	accaggcagc
aag'aagagaa	actgaccttg
aaaaaaaaaa	aaaaaaaaaa
	aaaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	865

<210> 228  
 <211> 1102  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (469)  
 <223> n equals a,t,g, or c

<400> 228	
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tgcattctct	cttattttcc
cagaggggtg	ggacatatta
	cgggcgcgga
	tcctctcttg
	agtgagatga
	ctctccggag
	60
	120
	180

10004360 120707

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agatttagtc gtcaccctcg cgtgtgagggc tgcgtcacac cccagggatg tgtctatcaa 240
gatggaagat cttttacacg ctcttgattt tgtttgscty tttttctatt actagtgaga 300
akgaaacttt ttatatgatt attatccatc ataatccaac acaaattact gcttcatggt 360
cttttacttt cctgtgaagg ttttagtgcc ttttaaaaat tgctatatat taagcttggt 420
aatacttcca tgctgtattt gtggscatca rtttccccgg gnacaggcnt gcacattttg 480
ccttcacacg ctgggtgggt tttcattttc amttctattt ctogttcttc tatcgtttta 540
tgttcagacg ggtttctccg tgtagaaagc agtttatgaa gatttacttt cgacagtctt 600
ctctctactt tctacagtga attctctgat gtgtctggga gtttgggggt ctgggtaaga 660
rtctctctct caccctattc tctattacga tccacagcct catgctttat garattgggtg 720
gccgggarcg ggggagattt gcggatcccc caagccagac tttatcccc tatccctgcc 780
tctggatccc acgtacagggc ctgggaactc cctgtgggta ggggccaatg gtctcgact 840
ctcacctgta cccaggggct ggcacaggat ggtcaaggag agaggctgcc caagcgcatc 900
cytctggtgt ccccttgaca cgctccaaa gtgagcaggt aggtttcaac agccccacgt 960
tgcaggtggg agatgaagct caggtgggag accagtatct cacagttctc tttgcatggc 1020
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gaacaaaatt aaaccagcca gg 1102

```

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<210> 229
<211> 744
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (392)
<223> n equals a,t,g, or c

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<400> 229
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gccagggcct gtcacatctt tctctctggc attgtcctgg tctttgtaag cccagaatct 120
ccccttccct gaaggaggc cagcacccca ggagggcagc aggtgtgctg tgagggttg 180
agtagtgtga gaggtcaggg tacactagaa tggccatgga caccatgtgg ggggtgctctg 240
ggctggggcca cagaacagtg tcttctctgc tgctcctccc ctgcagcttc ccccgacctt 300
gtngttttatt tggtttgata ccaatcagca gacctgcaa ggtggaagct cccaggctct 360
cagtcccacs actctcatgt gccagtcacc cntactgtaa ctgccaatg agtacttctt 420
gcccactgcc aagatagagc cagtttacca agacagggga attgcagtag agaaagagtt 480
gaatatacat agagccagct aaatgggaga gtggagtttt ctattactt aaatcagcct 540
cccytaaaat tcagaggtga gaatttttca aggacagttt ggtggscagg cctagggaat 600
ggatgctgct gattggctag ggatgcaatc ataggggtgt agaaaagtwc cttgtgcact 660
gagtcactt ttggtgagag ctaccaagga gctgctggtc tgctgggtccc ggtagagcca 720
tctggtgtca ggaatgcaaa agtg 744

```

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<210> 230
<211> 1935
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

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T0004360.15001

<220>  
 <221> SITE  
 <222> (1921)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1927)  
 <223> n equals a,t,g, or c

<400> 230

ntctacccta	atcaagatgg	ggacatactt	cgcgaccagg	ttcttcatga	acatatccag	60
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cgagaagcac	catggccatc	tgcaaatca	gaaatcagga	caataagtc	ttataaaacc	180
ccccgggaca	aagtgcagtg	catcctgaga	atgtgctcta	cgattatgaa	cctcctgagc	240
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ttgataaagg	caaataccacc	ctgtttgctg	tctactgtgc	agtatatcag	tagcttttat	360
gctagctgtc	tgtctggaga	ggagtccctat	tggtggatgc	agttcacagc	agcagtagaa	420
ttcattaaaa	ccatcgatga	ccgaaagtga	ccaagaccaa	ggcccaccaa	ggcagcagac	480
tgttaatcag	acaaacagat	ctctgagaag	gtgcatcagc	tgctttgaag	gctgaagatt	540
gttttgtatg	atactgcaca	gcatacaggca	ttttaaagca	gatctttact	aaacaggtta	600
atgagctaac	aagcagggtc	tctcgtcttt	gggctctttc	ctttctgagt	tgcatattct	660
attttcttgt	ccccaaagtag	agactagtag	tacaaaaagg	gaccacattt	ttcaagtatt	720
tctaagtata	aaaaacaaaa	caaaaatctc	ttaggaaatg	tctagacctc	cattcttggg	780
ttccctttct	ttcccttttat	tttaaaaaag	aacagtaccc	ctcttttaag	atgctgtctt	840
acattaatga	gcatctaata	gaaagaagg	atgagttgca	ctgaggatta	gaatagtgg	900
gcgttagtgg	cattatctat	aaatacactc	acctaaattg	aaagctaaga	aggaaatgta	960
aataataat	atatttatat	ttgatgtaat	atggacatct	gcagattcta	ataaacaagg	1020
actattgctg	atagtaggct	gtgacatact	gtcttgtgaa	atgggttcct	tgacaaaatt	1080
taagctgagc	ttaaaagcaa	aaaaacaaaa	agtacacaga	aatattttatt	aaaatgtaat	1140
acagtttatt	gaactttcta	ggtatggagt	ttgatggaca	gggctgccty	taatgagtgt	1200
gaaggtcact	aagtcactta	gacatctcac	cgtggaagtt	tgtgagcctg	cattaggaga	1260
tagactgatt	accatacatg	acataaaaag	gaacagtgg	tagctcatat	tttatgggtg	1320
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aattgtaata	tatttttgat	gattattcac	attgaatgca	cagaccaaga	attcagtga	1440
tgtcattttt	taaaaaacta	atttgtattg	tctgctctag	tgatacaagt	tttactagt	1500
ataaactatt	ttaatacaac	atactattct	tatggaaaaa	aatatctatt	ttggcaggtt	1560
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caccaaagct	tcaagcacia	gtcttgtaca	tgggccatca	ctgtctgggt	tcacttcgtg	1740
tgttttctaa	acacatttag	ctgtcttttt	aacaaactca	gccccatact	tgagtccttt	1800
gttgttggga	gcatttccag	gcactctttt	agggaaactgt	gacaaacagc	ctcgggcaga	1860
tgaacacgga	ggctctctgt	tgtctgtctc	tgagatcttt	gtgtctggga	atgcctaaa	1920
nttttgnttt	ttttt					1935

<210> 231  
 <211> 1035  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1032)  
 <223> n equals a,t,g, or c

<220>

10004350.124707

<223> n equals a,t,g, or c

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aattaccagc	agtttctccg	ccactatctg	gaaaattacc	cgattgctcc	cggcagaata	120
caagagcttg	aagaacgccg	cagttgctg	gaagcctgca	gagcaaggga	agcagcgttt	180
gatgccgaat	atcagcga	tcctcacagg	gtggacctcg	atattttaac	ctttacgata	240
gctctgactg	cctctgaagt	tatcaaccct	ctgatagaag	aacttggttg	cgataagttt	300
atcaatagag	aatagttagg	tggtgacact	acttcaagag	aacctctgca	ttccagtcac	360
accaatcctg	caacttgatt	ttcaggaagtc	aagagtatat	cgcgataaga	cagtgacacag	420
ctggaggggga	aaaaaagggg	gagggggaag	cttatcttga	aaaagcatca	cagaagtaga	480
aaaaaatgtc	gaaagcat	taactgtaac	gttctttgag	tttgtgattg	atccacattt	540
ttccccctgc	attatggaaa	atgtctctca	gcattgcttt	attacaaagt	aaaggatggg	600
tttataaaat	tgagactgat	gaaacatcaa	tactagagcc	catgaggatg	aaagaaatta	660
tcaaatagtg	ctgaacagaa	taagatgtta	acgctgagtt	attaggactg	gaaggctatg	720
aaaagaactt	gaaattgtcg	gaatatgtgc	tctcttcatg	tcataattcaa	tagaagtttc	780
tagtttaaga	ttgattttgt	gttttcttag	gcatttcaag	tgacaagcaa	agtaaatgta	840
tattattatgt	gataaatcat	gttttcaaga	acgtcaaatt	tctggacttt	tttctttcaa	900
ttttataattt	ttaaaatttt	tttggtatta	aaaaatcyat	tcacaagcca	aaaaatwtwt	960
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caaggggggtc	cngnt					1035

<213> Homo sapiens

<223> n equals a,t,g, or c

<223> n equals a,t,g, or c

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gtttaaacag	gtgccaccac	aagggatgtc	gtccttactc	tctgcgggtc	ttcaagcatc	120
cctttgtggg	aaargtctct	gggcaagcac	gtggtatttg	gtctgctgct	tgcttccctt	180
tttccaccag	ggatgtttgtg	atcataagtc	aaaacaacag	tatatccaa	atctcaaaag	240
ctattgtggc	ctgagcaca	ttagaatcta	gcagagtttt	tcctatgta	ctttagagta	300
actcttctgc	ttctctgtca	cttacaattc	aggttctgcc	tttgcctaag	agcatgagca	360
gaagagtcct	catgtgacgc	ttagttctat	tgagtcctg	ggtgaaacta	tttaagcwat	420
ggggctgctk	ctcccanwt	cctccctaac	aattcgttgt	gtggacttct	catctaaaag	480
gttagtggct	tttgcttggg	atcagtgctc	tctattgatg	ttcttgctgg	tctccagaca	540
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ctgaaaagcta	tgttactaat	cttagtttgt	aaattgtcct	tttgatacca	tcatcttgtt	660
ttctttttgt	aggtataatt	aaaaacactg	ttgacataaa	aaaaaaaaaa	aaaaaaaaaa	720
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			760

<211> 2057

<212> DNA  
<213> Homo sapiens

<400> 233  
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 gtgtgagagg agggagcaaa aagctcacc ctaaacattt atttcaagga gaaaagaaaa 180  
 agggggggcg caaaaatggc tggggcaatt atagaaaaca tgagcaccaa gaagctgtgc 240  
 attgttggtg ggattctgct cgtgttccaa atcatcgctt ttctgggtgg aggcttgatt 300  
 gctccagggc ccacaacggc agtgtcctac atgtcgggtga aatgtgtgga tgcccgtaa 360  
 aaccatcaca agacaaaatg gttcgtgcct tggggaccca atcattgtga caagatccga 420  
 gacattgaag aggcaattcc aagggaaatt gaagccaatg acatcgtgtt ttctgttcac 480  
 attccccctc ccacatgga gatgagtcct tggttccaat tcatgmtgtt tatcctgcag 540  
 ctggacattg cttcaagct aaacaaccaa atcagrgaaa atgcagaagt ctccatggac 600  
 gtttccctgg cttaccgtga tgacgcgttt gctgagtggg ctgaaatggc ccatgaaaga 660  
 gtaccacgga aactcaaatg caccttcaca tctcccaaga ctccagagca tggaggggcg 720  
 gttactatga atgtgatgtc cttcctttca tggaaattgg gtctgtggcc catgaagttt 780  
 taccttttaa acatccggt gctgtgaat gagaagaaga aaatcaatgt gggaattggg 840  
 gagataaagg atatccggtt ggtggggatc caccaaaatg gaggcctcac caaggtgtgg 900  
 tttgccatga agaccttcct tacgccagc atcttcatca ttatgggtgt gtattggagg 960  
 aggatcacca tgatgtcccg acccccagtg cttctggaaa aagtcattct tgcccttggg 1020  
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 ccagctatga gcaaagtcg gcggctacac tatgaggggc taatttttag gttcaagttc 1500  
 ctcattgcta tcacctggc ctgcgctgcc atgactgtca tcttcttcat cgttagtcag 1560  
 gtaacggaag gccattggga aatggggcgg cgtcacagtc ccaagtgaac agtgcccttt 1620  
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 catcccataa aaactatgga gaagaccagt ccaatggaat gcaactccca tgtaaatcga 1740  
 gggaagattg tgctttgttt gtttcggaac tttatcaaga attgttcagc gcttcgaaat 1800  
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 atcagctttg catttgagcag tgtcacagtc acattgattg tacttgata cgcacacaaa 1920  
 tacactcatt tagcctttat ctcaaaatgt taaatataag gaaaaaagcg tcaacaataa 1980  
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 cggcacgagc ggcacga 2057

<210> 234  
<211> 2084  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (775)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (2080)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

&lt;222&gt; (2083)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 234

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accaagtgt	ttataaaaaat	agctcttggt	accggaaata	actgttcatt	tttcactcct	120
ccctcctagg	tcacactttt	cagaaaaaga	atctgcatcc	tggaaaccag	aagaaaaata	180
tgagacgggg	aatcatcgtg	tgatgtgtgt	setgcctttg	gctgagtgtg	tggagtcctg	240
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ctctcctcgt	catcatccag	agcagccagt	gtccgggagg	cagaaggtac	cggggcagct	420
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ttgcctctct	gggccttctc	gcaggcactg	aacatcctcc	tgggcctcaa	gggcctggcc	600
ccagctgaga	tctctgcagt	gtgtgaaaaa	gggaatttca	acgtggccca	tgggctggca	660
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acttacatc	agcattacaa	caacctgcta	cggggtgcag	tgagccagcg	gtgtnatatt	780
ctcctcccat	tggactgtgg	ggtgcctgat	aacctgagta	tggctgacct	caacattcgc	840
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tctcctgccc	ggcaactctt	gcgtaatcat	gactatctct	aggattctgg	caccacttcc	1920
ttccctggcc	ccttaagcct	agctgtgtat	cggcaccccc	acccactag	agtactcctt	1980
ctcacttgcg	gtttccttat	actccacccc	tttctcaacg	gtcctttttt	aaagcacatc	2040
tcagattaaa	aaaaaaaaaa	aaaaaaaaaa	agggggggcn	gcnt		2084

&lt;210&gt; 235

&lt;211&gt; 2143

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2058)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2080)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE



<222> (2115)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2132)  
 <223> n equals a,t,g, or c

<400> 235

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<210> 236  
 <211> 1133  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
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 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (552)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1133)  
 <223> n equals a,t,g, or c

<400> 236

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aacaacagaa	agtggagttt	cgtaaaagga	tggagaagga	ggtgtcagat	ttcattcaag	300
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<210> 237  
 <211> 1025  
 <212> DNA  
 <213> Homo sapiens

<400> 237

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<210> 238

<211> 1400  
 <212> DNA  
 <213> Homo sapiens

<400> 238

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agaagtgaaa  ggtatttgca  aagtaagcta  caaatgaccc  ataaatctgt  taacaacagt     300
ccttaatatg  caaagatgaa  aaacaagcat  tactgtctac  caaagggaac  tgggtgcttg     360
tgatgtgcag  atggggctgt  tggttaagag  agctattaca  ggttttctct  cttagggtttc     420
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aaaaaaaaaa  aaaaactcga                                     1400

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<210> 239  
 <211> 1250  
 <212> DNA  
 <213> Homo sapiens

<400> 239

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<210> 240  
 <211> 1307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (651)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1064)  
 <223> n equals a,t,g, or c

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 artaaactgt ttttctgtct tacgtcatgc tgactgggtg ctaggggctg attacaaagg 180  
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 gcagcagcag gaggaatacc agggccacgg agggggcagga gtctcacagt ggagggcaga 360  
 ctctaacaga tgccagctga acgctcgtg gccctggatg tcatacagat tggggaccag 420  
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<210> 241  
 <211> 888  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (830)  
 <223> n equals a,t,g, or c

<400> 241  
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 tcaatcctcc tagaattcag cccccaattg ccaggttacc aataaaaaact tgtacaccag 120  
 cccaggggac agtctcaaat gcaaatccac agagtgasmc accacctcgg gtagaatttg 180  
 atgacaacaa tccctttagt gaaagttttc aagaacggga acgtaaggaa cgtttacgag 240  
 aacagcaaga gagacaacgg atccaactca tgcaggaggt agatagacaa agagctttgc 300

10004550.120701

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agaatataca acaaggatca attaattcac cctccaccca aactttcatg cagactaatg 540
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<210> 242

<211> 1811

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1810)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1811)

<223> n equals a,t,g, or c

<400> 242

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cagatgaaga tactttctaa ctggtaccca catagtttgc agctctcttg aaccttattt 420
tcacattttc agtgtttcta atatttatct ttctactttg ataaaccaga aatgtttcta 480
aatcctaata ttctttgcat atatctagct actccctaaa tggttccatc caaggcttag 540
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1000460-120701

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<210> 243
<211> 2271
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2267)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2269)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2271)
<223> n equals a,t,g, or c

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atccaagccc ttgtgggggtt ggcgcggccg ctgggtcttg cgctcctgct tgtgtccgcc 180
gctctatcca gtgttgatc acggactgat tcaccgagcc caaccgtact caactcacat 240
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caaatcagca ccacctccc tcccacgacg agtaccaaga aaagtggagg agcatctgtg 360
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ctagacaatg gcgattatgg agaaccagac tatgactgga ccacgggccc caggacgac 540
gacgagtctg atngacacct tggaagaaaa caggggttac atggaaattg aacagtcagt 600
gaaatctttt aagatgccat cctcaaatat agaagaggaa gacagccatt tcttttttca 660
tcttattatt tttgcttttt gcattgctgt tgtttacatt acatatcaca acaaaaggaa 720
gatttttctt ctgggttcaaa gcaggaaatg gcgtgatggc ctttgttcca aaacagtgga 780
ataccatcgc ctagatcaga atgttaatga ggcaatgcct tctttgaaga ttaccaatga 840

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ttatatTTTT taaagcactg tgatttgaat ttgcttatgt aattttatTT gcttgacttt 900  
 ttatatgata ttgtgcaaT gtttgccata ggcaattggT acttaaatga gaggtgagtc 960  
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 acccctgaac cgttttattg cagtaatttt tttcatatct gaaactatta tttaatattt 2160  
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanana n 2271

<210> 244  
 <211> 2500  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2459)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2473)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2475)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2478)  
 <223> n equals a,t,g, or c

<400> 244  
 tccaagctac gccactcggg ctggggcggt gggagcggga gtgcagagcg tggctgtggc 60  
 ggCGgCGgtg agaagagcga ggCGkaggag ggggtgccat ggccgggcag cagttccagt 120  
 acgatgacag tgggaacacc ttcttctact tctcacctc ctctgtgggg ctcatcgtga 180  
 tcccggcgac atactacctc tggccccgag atcagaatgc cgagcaaatt cgattaaaga 240  
 atatcagaaa agtatatgga aggtgtatgt ggtacgttta cggttattaa aaccccagcc 300  
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10004360-120701

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<210> 245
<211> 1338
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (867)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1338)
<223> n equals a,t,g, or c
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&lt;400&gt; 245

cttccgggttc	tccgggcagc	tgccactgct	gtagcttctg	ccacctgcca	cgaccggggc	60
tctccctggc	gtttggtcac	ctctgcttca	ttctccaccg	cgcttatggg	ccctcttggg	120
gccagcgtgg	cgngcctggc	ggctcccggg	tggtgagaga	gcgggtccggg	aacgatgaag	180
gcctcgagc	gctgctgctg	tctcagccac	ctcttggtct	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccaggt	300
yttggggcctc	ctgaccctag	accaggacat	taccgcccgt	gccaccgggc	cctwaccct	360
gcccagcagc	cgggcccgtg	tctgggtgaa	gctgcggggg	ccgcgggggt	ccgagggagg	420
caatggcagc	aaccctgtgg	ccgggcttga	gacggacgat	cacggaggga	aggccgggga	480
argctcgggtg	ggtggcgggc	ttgctgtgag	ccccaaacct	ggcgacaagc	ccatgaccca	540
gcggggcctg	accgtgttga	tggtggtgag	cggcgcggtg	ctggtgtact	tcgtggtcag	600
gacggtcagg	atgagaagaa	gaaaccgaaa	gactaggaga	tatggagttt	tggaactaa	660
catagaaaat	atggaattga	cacctttaga	acaggatgat	gaggatgatg	acaacacgtt	720
gtttgatgcc	aatcatcctc	gaagataaga	atgtgccttt	tgatgaaaga	actttatctt	780
tctacaatga	agagtggaa	ttctatgttt	aaggaaataag	aagccactat	atcaatgttg	840
gggggggtatt	taagttacat	atatttnaac	aacctttaat	ttgctgttgc	aataaaatacc	900
gtatcctttt	attatatctt	tatatgtata	gaagtactct	gttaatgggc	tcagagatgt	960
tggggataaaa	gtatactgta	ataatttatc	tgtttgaaaa	ttactataaa	acggtgtttt	1020
ctgrtcgggt	tttgtttctt	gcttaccata	tgattgtaaa	ttgttttatg	tattaatcag	1080
ttaatgctaa	ttatttttgc	tgatgtcata	tgtaaagag	ctataaatc	caacaaccaa	1140
ctggtgtgta	aaaataat	aaaatyctct	ttactgaaag	gtatttccca	tttttgtggg	1200
gaaaagaagc	caaatatt	actttgtgtt	ggggttttta	aaatattaag	aaatgtctaa	1260
gttattgttt	gcaaaacaat	aaatatgatt	ttaaattctc	ttaaaaaaaa	aaaaaaaaac	1320
cccggggggg	ggcccggg					1338

&lt;210&gt; 246

&lt;211&gt; 654

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (651)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 246

gaattcggca	cgaggcagct	tgtgctttta	aggaggtgtt	caaagcatgt	ctgagcagag	60
acttttgggc	tctgttttaa	ttaatacttt	aaaataatc	atatttataa	tatcaratgt	120
ttccataaag	aggaggatgt	ttaaatgcct	ccagactaca	ttccttttta	ttccttgatt	180
ttacctggga	gtccaaagtt	caattcccat	aaagcaagcg	ttttatgtgt	cactttcaat	240
atacatccga	ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	300
gctcccaggg	cccagtgtag	aagggtgagag	attcgtgtaa	aatgattcaa	ataaaaaggaa	360
gaccctggcc	gggtgcccga	rtcacgcct	gtaatcccag	cactttggga	ggccgaagcg	420
agtggatgac	gagggttagga	gttgagagacc	agcctggcca	acatcgtgaa	accccgctctc	480
tactaaaaat	acaaaaatta	gccgggcatg	gtggcaggca	cctgtaatcc	tagctagtgtg	540
ggaggctgag	gcaggagaat	cgtttgaatc	tgggagttgg	agggtgtcag	tgagctgaga	600
tcgcgccaca	gcactccagc	ctgggtgaca	gggtgagact	ctgtctcaaa	naga	654

&lt;210&gt; 247

&lt;211&gt; 1146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

10004360-120701

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<400> 247

aaaaaaaaacc	caggggaacn	ttggggggccg	ctttnnnttc	cccctccagg	ccattggggga	60
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aggatcatca	aggggttcga	gtgcaagcct	cactcccagc	cctggcaggc	agccctgttc	180
gagaagacgc	ggctactctg	tggggcgacg	ctcatcgccc	ccagatggct	cctgacagca	240
gcccactgcc	tcaagccccg	ctacatagtt	cacctggggc	agcacaacct	ccagaaggag	300
gagggctgtg	agcagaccgg	gacagccact	gagtccttcc	cccaccccg	cttcaacaac	360
agcctcccca	acaaagacca	ccgcaatgac	atcatgctgg	tgaagatggc	atcgccagtc	420
tccatcacct	gggctgtgcg	acccctcacc	ctctcctcac	gctgtgtcac	tgctggcacc	480
agctgyctca	tttccggctg	gggcagmacg	tccagccccc	agttacgcct	gcctcacacc	540
ttgsgatgcg	ccaacatcac	catcattgag	caccagaagt	gtgagaacgc	ctaccccggc	600
aacatcacag	acaccatggg	gtgtgccagc	gtgcaggaag	ggggcaagga	ctcctgccag	660
ggtgactccg	ggggccctct	ggtctgtaac	cagtctcttc	aaggcattat	ctcctggggc	720
caggatccgt	gtgcatcac	ccgaaagcct	ggtgtctaca	cgaaagtctg	caaatatgtg	780
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aagaccctct	acgaacattc	tttgggcctc	ctggactaca	ggagatgctg	tcacttaata	960
atcaacctgg	ggttcgaaat	cagtgaagacc	tggattcaaa	ttctgccttg	aaatattgtg	1020
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cctggccata	tatcaagggt	tcaataaata	tttgctaaat	gaaaaaraaa	aaaaaaaaaa	1140
actcga						1146

<210> 248

<211> 1443

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (776)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (907)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1288)

10004860.12001

<223> n equals a,t,g, or c

<400> 248

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gtgggtcatca	gatagtagac	attttctagg	atttatttct	acctgcatat	gtggaaatgt	180
gtactacttt	agatttatwt	aatggcagct	aactcagagg	catcaaaatg	tgctaattgt	240
gtaatatggc	ctttgtcttg	ctgtyctggt	ttgtargcct	tcaatcaagc	argggcaggg	300
ccgtacagtg	aacttgctct	ttgscagacg	ccagcgtctg	cccctgaccc	cgtctccact	360
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tggggatcta	agtaaaccct	tcggggaaaa	tgaccaagtg	gatgtcatct	cccagctggt	660
tctaagagcc	cagatgtcca	gagtattgtc	tcaccttgat	ccctcaggcc	agaagacctg	720
tgaaaaagcc	acactgggtc	agggactcac	tggaacggtt	tgtgtccact	ytacntgca	780
ccgtctctac	cccagagtgg	actcaratcc	tcaagtcata	ctctgaacat	tgrrgtcaga	840
aattataaaa	gggctttggc	aatatgttag	cccaagaatt	tggtctcttc	cagaaattgt	900
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ttggagatac	gttgactttt	attaaacmac	ctatagtgtg	ttaatgaytt	ctaaaaaat	1020
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aatgccaggt	aaccggttga	aattatcaaa	aacatcttcc	acgtaccaga	aagcacctca	1140
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tgagcttaga	tttggatagt	aaaacctcaa	gacctatttt	aaaaagtatt	ttatgaatgc	1260
agcataaata	atttaattca	gtgttaanat	gccaaaggct	gtatattgag	ctgaatgtga	1320
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aaa						1443

<210> 249

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 249

Met	Leu	Ser	Thr	Gly	Ile	Glu	Val	Ala	Arg	Pro	Pro	Ala	Thr	Leu	Leu
1					5				10					15	

Gly	Leu	Met	Phe	Val	Leu	Thr	Gly	Met	Pro	Arg	Gly	Leu	Arg	Xaa
		20						25					30	

<210> 250

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

10004560-120701

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (116)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 250

Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly  
 1 5 10 15

Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys  
 20 25 30

Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly  
 35 40 45

Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp  
 50 55 60

Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala  
 65 70 75 80

Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys  
 85 90 95

Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His  
 100 105 110

Tyr Phe Cys Xaa  
 115

&lt;210&gt; 251

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (103)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 251

Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr  
 1 5 10 15

Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser  
 20 25 30

Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys  
 35 40 45

Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala  
 50 55 60

10004860-120701

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu  
65 70 75 80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile  
85 90 95

His Ser Ser Asn Ile Cys Xaa  
100

<210> 252  
<211> 42  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252  
Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg  
1 5 10 15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr  
20 25 30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe  
35 40

<210> 253  
<211> 37  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals stop translation

<400> 253

10004350-120701

Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val  
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa  
 20 25 30

Trp Ser Gln Trp Xaa  
 35

<210> 254

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 254

Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile  
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu  
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser  
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr  
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu  
 65 70 75 80

Glu Val Glu Arg Val Arg Arg Ser Glu Arg Tyr Gln Thr Met Lys Val  
 85 90 95

Arg Arg Ala Gly Leu Gly Pro Thr Pro Gly Met Ser Cys Pro Gly Asn  
 100 105 110

Asp Asn Thr Val His Thr Met His Gly Glu Ala Asn Arg Gly Ser Xaa  
 115 120 125

10004360-120701

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 255
Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
  1                      5                      10                      15
Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
      20                      25                      30
Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
      35                      40                      45
Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
      50                      55                      60
Ser Thr Xaa
      65

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<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals stop translation
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<400> 256
Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
  1                      5                      10                      15
Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
          20                      25                      30
Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
          35                      40                      45
Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
  50                      55                      60
His Ala Phe Ala Xaa
  65

```

<210> 257  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals stop translation

<400> 257  
 Met Val Ser Val Val Leu Ile Phe Ser Phe Leu Ser Leu Thr Ile Ser  
           1                  5                  10                  15  
 Thr Thr Ala Ser Ala Tyr Asn Gly Asn Asp Thr Gln Gly Trp Asn Asp  
                   20                  25                  30  
 Lys Phe His Xaa Xaa Ser Val Lys Thr Gln Thr Xaa  
           35                  40

<210> 258  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals stop translation

<400> 258  
 Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro  
           1                  5                  10                  15  
 Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro  
                   20                  25                  30  
 Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg  
           35                  40                  45  
 Gly Arg Xaa  
           50

<210> 259

10004860-120701



<211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals stop translation

<400> 259  
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile  
           1                  5                  10                  15

Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp  
                   20                  25                  30

Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa  
                   35                  40

<210> 260  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals stop translation

<400> 260  
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro  
           1                  5                  10                  15

Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro  
                   20                  25                  30

Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser  
           35                  40                  45

Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa  
           50                  55                  60

<210> 261  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals stop translation

<400> 261  
 Met Ser His His Ala Gln Pro Arg Phe Leu Leu Ile Thr Met Leu Leu  
           1                  5                  10                  15

10004300-120701

Gln Glu Ala Lys Pro Val Ser Asn Ile Pro His Leu Leu Glu Ser Trp  
                   20                                  25                                  30

Tyr Phe Gly Xaa  
                   35

<210> 262  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals stop translation

<400> 262  
 Met Asn Ser Leu Phe Trp Met Ile Leu Leu Pro Val Ser Gln Asp Gln  
       1                                  5                                  10                                  15

Val Val Glu Gly Leu Gln Gly Gly Phe Ser Gln Ile His Met Arg Ile  
                   20                                  25                                  30

Leu Arg Lys His Leu Xaa  
                   35

<210> 263  
 <211> 211  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (211)  
 <223> Xaa equals stop translation

<400> 263  
 Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala  
       1                                  5                                  10                                  15

Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala  
                   20                                  25                                  30

Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile  
                   35                                  40                                  45

Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg  
                   50                                  55                                  60

Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala  
       65                                  70                                  75                                  80

10004560 120701

Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr  
85 90 95

Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu  
100 105 110

Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala  
115 120 125

Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu  
130 135 140

Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro  
145 150 155 160

Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser  
165 170 175

His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg  
180 185 190

Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser  
195 200 205

Gly Pro Xaa  
210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro  
1 5 10 15

Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu  
20 25 30

Ile Gln Glu Lys Ala Ile Pro Leu Ala Leu Glu Gly Lys Asp Leu Leu  
35 40 45

Ala Arg Ala Arg Thr Gly Ser Gly Lys Thr Ala Ala Tyr Ala Ile Pro  
50 55 60

Met Leu Gln Leu Leu Leu His Arg Lys Ala Thr Gly Pro Val Val Glu  
65 70 75 80

Gln Ala Val Arg Gly Leu Val Leu Val Pro Thr Lys Glu Leu Ala Arg  
85 90 95

1000460-100701

Gln	Ala	Gln	Ser	Met	Ile	Gln	Gln	Leu	Ala	Thr	Tyr	Cys	Ala	Arg	Asp	
				100				105								110
Val	Arg	Val	Ala	Asn	Val	Ser	Ala	Ala	Glu	Asp	Ser	Val	Ser	Gln	Arg	
		115					120					125				
Ala	Val	Leu	Met	Glu	Lys	Pro	Asp	Val	Val	Val	Gly	Thr	Pro	Ser	Arg	
		130				135					140					
Ile	Leu	Ser	His	Leu	Gln	Gln	Asp	Ser	Leu	Lys	Leu	Arg	Asp	Ser	Leu	
145				150						155						160
Glu	Leu	Leu	Val	Val	Asp	Glu	Ala	Asp	Leu	Leu	Phe	Ser	Phe	Gly	Phe	
				165					170					175		
Glu	Glu	Glu	Leu	Lys	Ser	Leu	Leu	Cys	His	Leu	Pro	Arg	Ile	Tyr	Gln	
			180					185					190			
Ala	Phe	Leu	Met	Ser	Ala	Thr	Phe	Asn	Glu	Asp	Val	Gln	Ala	Leu	Lys	
		195					200					205				
Glu	Leu	Ile	Leu	His	Asn	Pro	Val	Thr	Leu	Lys	Leu	Gln	Glu	Ser	Gln	
		210				215					220					
Leu	Pro	Gly	Pro	Asp	Gln	Leu	Gln	Gln	Phe	Gln	Val	Val	Cys	Glu	Thr	
225					230					235					240	
Glu	Glu	Asp	Lys	Phe	Leu	Leu	Leu	Tyr	Ala	Leu	Leu	Lys	Leu	Ser	Leu	
				245					250					255		
Ile	Arg	Gly	Lys	Ser	Leu	Leu	Phe	Val	Asn	Thr	Leu	Glu	Arg	Ser	Tyr	
			260					265					270			
Arg	Leu	Arg	Leu	Phe	Leu	Glu	Gln	Phe	Ser	Ile	Pro	Thr	Cys	Val	Leu	
		275					280					285				
Asn	Gly	Glu	Leu	Pro	Leu	Arg	Ser	Arg	Cys	His	Ile	Ile	Ser	Gln	Phe	
		290				295					300					
Asn	Gln	Gly	Phe	Tyr	Asp	Cys	Val	Ile	Ala	Thr	Asp	Ala	Glu	Val	Leu	
305					310					315					320	
Gly	Ala	Pro	Val	Lys	Gly	Lys	Arg	Arg	Gly	Arg	Gly	Pro	Lys	Gly	Asp	
				325					330					335		
Lys	Ala	Ser	Asp	Pro	Glu	Ala	Gly	Val	Ala	Arg	Gly	Ile	Asp	Phe	His	
			340					345					350			
His	Val	Ser	Ala	Val	Leu	Asn	Phe	Asp	Leu	Pro	Pro	Thr	Pro	Glu	Ala	
		355					360					365				
Tyr	Ile	His	Arg	Ala	Gly	Arg	Thr	Ala	Arg	Ala	Asn	Asn	Pro	Gly	Ile	
						375					380					
Val	Leu	Thr	Phe	Val	Leu	Pro	Thr	Glu	Gln	Phe	His	Leu	Gly	Lys	Ile	
385					390					395					400	
Ile	Glu	Leu	Leu	Ser	Gly	Glu	Asn	Arg	Gly	Pro	Ile	Leu	Leu	Pro	Tyr	

405

410

415

Gln Phe Arg Met Glu Glu Ile Glu Gly Phe Arg Tyr Arg Cys Arg Asp  
420 425 430

Ala Met Arg Ser Val Thr Lys Gln Ala Ile Arg Glu Ala Arg Leu Lys  
435 440 445

Glu Ile Lys Glu Glu Leu Leu His Ser Glu Lys Leu Lys Thr Tyr Phe  
450 455 460

Glu Asp Asn Pro Arg Asp Leu Gln Leu Leu Arg His Asp Leu Pro Leu  
465 470 475 480

His Pro Ala Val Val Lys Pro His Leu Gly His Val Pro Asp Tyr Leu  
485 490 495

Val Pro Pro Ala Leu Arg Gly Leu Val Arg Pro His Lys Lys Arg Lys  
500 505 510

Lys Leu Ser Ser Ser Cys Arg Lys Ala Lys Arg Ala Lys Ser Gln Asn  
515 520 525

Pro Leu Arg Ser Phe Lys His Lys Gly Lys Lys Phe Arg Pro Thr Ala  
530 535 540

Lys Pro Ser Xaa  
545

<210> 265

<211> 299

<212> PRT

<213> Homo sapiens

<400> 265

Met Thr Thr Val Pro Pro Ser Pro Arg Pro Met Ser Arg Pro Ser Glu  
1 5 10 15

Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro  
20 25 30

Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe  
35 40 45

Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ala Glu Ser  
50 55 60

Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr  
65 70 75 80

His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu  
85 90 95

Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr  
100 105 110

Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro

10004360-120701

115 120 125

Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala  
130 135 140

Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu  
145 150 155 160

Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala  
165 170 175

Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn  
180 185 190

Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile  
195 200 205

Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser  
210 215 220

His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys  
225 230 235 240

Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg  
245 250 255

Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala  
260 265 270

Glu Ser Val Gly Arg Ala Phe Gln Gln Phe Tyr Lys Gln Phe Val Glu  
275 280 285

Tyr Thr Cys Pro Thr Glu Asp Ile Tyr Leu Glu  
290 295

<210> 266

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 266

Leu Leu Tyr Leu Leu Lys Val Xaa Val Ile Phe Val Phe Ser Ser Ser  
1 5 10 15

Lys Gly Val Thr Leu Val Ser Met Asn Leu Thr Ser Phe Phe Val Ser  
20 25 30

10004360-120701

Ser Val Leu Ala Cys Phe Ser Xaa  
           35                  40

<210> 267

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Met Pro Ala Ser Ser Leu Glu Ser Arg Ser Phe Leu Leu Ala Lys Lys  
   1                  5                  10                  15

Ser Gly Glu Asn Val Ala Lys Phe Ile Ile Asn Ser Tyr Pro Lys Tyr  
                   20                  25                  30

Phe Gln Lys Asp Ile Ala Glu Pro His Ile Pro Cys Leu Met Pro Glu  
                   35                  40                  45

Tyr Phe Glu Pro Gln Ile Lys Asp Ile Ser Glu Ala Ala Leu Lys Glu  
   50                  55                  60

Arg Ile Glu Leu Arg Lys Val Lys Ala Ser Val Asp Met Phe Asp Gln  
   65                  70                  75                  80

Leu Leu Gln Ala Gly Thr Thr Val Ser Leu Glu Thr Thr Asn Ser Leu  
                   85                  90                  95

Leu Asp Xaa Leu Cys Tyr Tyr Gly Asp Gln Glu Pro Ser Thr Asp Tyr  
                   100                  105                  110

His Phe Gln Gln Thr Gly Gln Ser Glu Ala Leu Glu Glu Glu Asn Asp  
                   115                  120                  125

Glu Thr Ser Arg Arg Lys Ala Gly His Gln Phe Gly Val Thr Trp Arg  
   130                  135                  140

Ala Lys Asn Asn Ala Glu Arg Ile Phe Ser Leu Met Pro Glu Lys Asn  
   145                  150                  155                  160

Glu His Ser Tyr Cys Thr Met Ile Arg Gly Met Val Lys His Arg Ala  
                   165                  170                  175

Tyr Glu Gln Ala Leu Asn Leu Tyr Thr Glu Leu Leu Asn Asn Arg Leu  
                   180                  185                  190

His Ala Asp Val Tyr Thr Phe Asn Ala Leu Ile Glu Ala Thr Val Cys  
                   195                  200                  205

Ala Ile Asn Glu Lys Phe Glu Glu Lys Trp Ser Lys Ile Leu Glu Leu  
   210                  215                  220

Leu Arg His Met Val Ala Gln Lys Val Lys Pro Asn Leu Gln Thr Phe

10004360-120704

225                      230                      235                      240  
 Asn Thr Ile Leu Lys Cys Leu Arg Arg Phe His Val Phe Ala Arg Ser  
                                  245                                   250                                   255  
 Pro Ala Leu Gln Val Leu Arg Glu Met Lys Ala Ile Gly Ile Glu Pro  
                                  260                                   265                                   270  
 Ser Leu Ala Thr Tyr His His Ile Ile Arg Leu Phe Asp Gln Pro Gly  
                                  275                                   280                                   285  
 Asp Pro Leu Lys Arg Ser Ser Phe Ile Ile Tyr Asp Ile Met Asn Glu  
                                  290                                   295                                   300  
 Leu Met Gly Lys Arg Phe Ser Pro Lys Asp Pro Asp Asp Asp Lys Phe  
 305                                   310                                   315                                   320  
 Phe Gln Ser Ala Met Ser Ile Cys Ser Ser Leu Arg Asp Leu Glu Leu  
                                  325                                   330                                   335  
 Ala Tyr Gln Val His Gly Leu Leu Lys Thr Gly Asp Asn Trp Lys Phe  
                                  340                                   345                                   350  
 Ile Gly Pro Asp Gln His Arg Asn Phe Tyr Tyr Ser Lys Phe Phe Asp  
                                  355                                   360                                   365  
 Leu Ile Cys Leu Met Glu Gln Ile Asp Val Thr Leu Lys Trp Tyr Glu  
                                  370                                   375                                   380  
 Asp Leu Ile Pro Ser Ala Tyr Phe Pro His Ser Gln Thr Met Ile His  
 385                                   390                                   395                                   400  
 Leu Leu Gln Ala Leu Asp Val Ala Asn Arg Leu Glu Val Ile Pro Lys  
                                  405                                   410                                   415  
 Ile Trp Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu  
                                  420                                   425                                   430  
 Arg Glu Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu  
                                  435                                   440                                   445  
 Leu Gln Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr  
                                  450                                   455                                   460  
 Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser  
 465                                   470                                   475                                   480  
 Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu  
                                  485                                   490                                   495  
 Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg  
                                  500                                   505                                   510  
 Ser Glu Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser  
                                  515                                   520                                   525  
 Pro Ser Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu  
                                  530                                   535                                   540

10004360 "LEU"



<213> Homo sapiens

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals stop translation

<400> 269  
 Met Arg Tyr His Ala Gln Leu Ile Phe Cys Ile Phe Cys Xaa Phe Val  
           1                  5                  10                  15

Phe Val Xaa Lys Xaa  
                   20

<210> 270  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (109)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (118)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (127)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270  
 Met Thr Gly Thr Tyr Ser Gly Gln Phe Val Met Glu Gly Phe Leu Asn  
           1                  5                  10                  15

Leu Lys Trp Ser Arg Phe Ala Arg Val Val Leu Thr Arg Ser Ile Ala  
                   20                  25                  30

Ile Ile Pro Thr Leu Leu Val Ala Val Phe Gln Asp Val Glu His Leu  
           35                  40                  45

10004360.120701

Thr Gly Met Asn Asp Phe Leu Asn Val Leu Gln Ser Leu Gln Leu Pro  
50 55 60

Phe Ala Leu Ile Pro Ile Leu Thr Phe Thr Ser Leu Arg Pro Val Met  
65 70 75 80

Ser Asp Phe Ala Asn Gly Leu Gly Trp Arg Ile Ala Gly Gly Ile Trp  
85 90 95

Ser Tyr His Leu Phe His His Met Tyr Phe Val Val Xaa Tyr Val Arg  
100 105 110

Asp Leu Arg His Val Xaa Leu Tyr Val Xaa Ala Ala Val Val Xaa Arg  
115 120 125

Gly Leu Ser Gly Leu Cys Val Leu Leu Gly Leu Ala Met Phe Asp Cys  
130 135 140

Thr Gly His Val Leu Pro Gly Leu Trp Ala Tyr Gly Lys His Leu  
145 150 155

<210> 271

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 271

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu  
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys  
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys  
35 40 45

Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly  
50 55 60

Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp  
65 70 75 80

Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met  
85 90 95

Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser  
100 105 110

Phe Ala Tyr Gly Lys Glu Gly Tyr Ala Glu Gly Lys Ile Pro Pro Asp  
115 120 125

Ala Thr Leu Ile Phe Glu Ile Glu Leu Tyr Ala Val Thr Lys Gly Pro

10004850.120701

130                      135                      140

Arg Ser Ile Glu Thr Phe Lys Gln Ile Asp Met Asp Asn Asp Arg Gln  
 145                      150                      155                      160

Leu Ser Lys Ala Glu Ile Asn Leu Tyr Leu Gln Arg Glu Phe Glu Lys  
                     165                      170                      175

Asp Glu Lys Pro Arg Asp Lys Ser Tyr Gln Asp Ala Val Leu Glu Asp  
                     180                      185                      190

Ile Phe Lys Lys Asn Asp His Asp Gly Asp Gly Phe Ile Ser Pro Lys  
                     195                      200                      205

Glu Tyr Asn Val Tyr Gln His Asp Glu Leu Xaa  
                     210                      215

<210> 272

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 272

Met Trp Val Ile Arg Val Phe Gln Lys Thr Phe Leu Phe Phe Val Leu  
                     1                      5                      10                      15

Phe Trp Ser Val His Cys Ile Ser Asp Lys Phe Gly Cys Leu Trp His  
                     20                      25                      30

Val Cys Met Lys Arg Glu Gly Asp Xaa Asn Cys Leu Ser Phe Ser Xaa  
                     35                      40                      45

Leu Xaa  
                     50

<210> 273

<211> 122

<212> PRT

<213> Homo sapiens

<220>

10004360-120701

. SITE  
 . (7)  
 > Xaa equals any of the naturally occurring L-amino acids

>  
 > SITE  
 > (20)  
 > Xaa equals any of the naturally occurring L-amino acids

>  
 > SITE  
 > (122)  
 > Xaa equals stop translation

> 273

Pro Ser Gln Thr Glu Xaa Phe Ala Ala Cys Gly Gly His Ser Leu  
                           5                          10                          15

Leu Val Xaa Leu Pro Leu Gly Leu Pro Phe Cys Pro Arg Ala Ala  
                   20                          25                          30

Cys Asp Leu Pro Phe Ser Leu Pro Ser Phe Pro Gly Gln Ala Arg  
           35                          40                          45

Gly Gly Ala Glu Lys Gln Gly Ala Glu Gly Arg Gly Leu Gln Val  
           50                          55                          60

Pro Arg Gly Gln Arg Thr Phe Gln Val Ser Arg Thr Ala Pro Ala  
                           70                          75                          80

Pro Arg Ser Arg Gln Pro Arg Pro Pro Ala Ala Leu Pro Ala Leu  
                   85                          90                          95

Phe Gly Gly Arg Gly Val Ala Lys Gly Arg Phe Leu Cys Phe Trp  
           100                          105                          110

Leu Tyr Met Leu Arg Ile Asp Gln Xaa  
           115                          120

0> 274

1> 88

2> PRT

3> Homo sapiens

0>

1> SITE

2> (53)

3> Xaa equals any of the naturally occurring L-amino acids

0>

1> SITE

2> (88)

3> Xaa equals stop translation

10> 274

Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro  
                   5                          10                          15

1000430.120701

Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp  
20 25 30

Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala  
35 40 45

Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr  
50 55 60

Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu  
65 70 75 80

Gly Ala Asn Gly Ala Gln Pro Xaa  
85

<210> 275

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 275

Met Ile Gln Val Ser Val Pro Leu Leu Thr Ile Met Ile Phe Leu Leu  
1 5 10 15

Tyr Leu Gln Ile Gly Pro Gly Lys Leu Xaa  
20 25

<210> 276

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals stop translation

<400> 276

Met Leu Leu Asp Pro Phe Ile Leu Leu Phe Cys Leu Phe Ser Thr Ala  
1 5 10 15

Ala Gln Ser Cys Leu Glu Phe Ile Tyr Ile Gln Phe Xaa  
20 25

<210> 277

<211> 44

<212> PRT

<213> Homo sapiens

10004566-120701

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals stop translation

<400> 277  
 Met Lys Phe Leu Ser Ile Leu Leu Asp Asp Asn Asn Phe Xaa Leu Met  
           1                  5                  10                  15  
 Leu Met Leu Ala Pro Phe Gly Cys Leu Ala Phe Glu Arg Ser Met Lys  
                   20                  25                  30  
 Met Arg Asn Gly Ala Leu Gly Leu Glu Glu Val Xaa  
                   35                  40

<210> 278  
 <211> 363  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (307)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (363)  
 <223> Xaa equals stop translation

<400> 278  
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro  
           1                  5                  10                  15  
 Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys  
                   20                  25                  30  
 Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg  
           35                  40                  45  
 Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His  
           50                  55                  60  
 Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp  
           65                  70                  75                  80  
 Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr  
                   85                  90                  95  
 Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln  
           100                  105                  110

10004860-100701

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp  
 115 120 125  
 Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu  
 130 135 140  
 His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe  
 145 150 155 160  
 Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr  
 165 170 175  
 Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu  
 180 185 190  
 Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Thr Asp Gln Leu Gly  
 195 200 205  
 Met Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly  
 210 215 220  
 Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro  
 225 230 235 240  
 Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro  
 245 250 255  
 Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly  
 260 265 270  
 Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala  
 275 280 285  
 Arg Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp  
 290 295 300  
 Ser Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly  
 305 310 315 320  
 Arg His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu  
 325 330 335  
 Glu Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Gly  
 340 345 350  
 Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu Xaa  
 355 360

<210> 279

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

10004860.120701



&lt;400&gt; 279

Leu Pro Thr Lys Ile Leu Val Lys Pro Asp Arg Thr Phe Glu Ile Lys  
 1 5 10 15

Ile Gly Gln Pro Thr Val Ser Tyr Phe Leu Lys Ala Ala Ala Gly Ile  
 20 25 30

Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu Val Ala Gly Leu Val Thr  
 35 40 45

Leu Lys His Val Tyr Glu Ile Ala Arg Ile Lys Ala Gln Asp Glu Ala  
 50 55 60

Phe Ala Leu Gln Asp Val Pro Leu Ser Ser Val Val Arg Ser Ile Ile  
 65 70 75 80

Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val Lys Asp Leu Ser Ser  
 85 90 95

Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala Ile Phe Leu Ala Ala  
 100 105 110

Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu Ala Ala Lys Lys Xaa  
 115 120 125

&lt;210&gt; 280

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 280

Met Leu Leu Gln Ile His Pro Leu Leu Pro Ser Pro Thr Ile Pro His  
 1 5 10 15

Ile Leu Leu Leu Phe Leu Tyr Pro Thr Phe Ser Ile Leu Glu His Ser  
 20 25 30

Cys Ser Tyr Cys Ile Glu Tyr Leu Trp Val Cys Leu Leu Phe Cys Leu  
 35 40 45

Ser Leu Trp Phe Leu Xaa  
 50

&lt;210&gt; 281

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

10004860 120701

&lt;400&gt; 281

Met Cys Leu Trp Cys Cys Gly Asp Val Cys Ser Gly Leu Ser Ser Leu  
 1 5 10 15

Leu Ser Leu Cys Val Cys Cys Val Val Leu Ala Val Cys  
 20 25

&lt;210&gt; 282

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 282

Glu Gly Leu Arg Leu Leu Leu Ser Leu Pro Ala Ala Leu Pro Arg Ser  
 1 5 10 15

Cys Cys His Pro Arg Trp Leu Pro Val Xaa  
 20 25

&lt;210&gt; 283

&lt;211&gt; 221

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 283

Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn  
 1 5 10 15

Lys Pro Glu Leu Tyr Glu Glu Val Lys Leu Tyr Lys Asn Ala Arg Glu  
 20 25 30

Arg Glu Lys Tyr Asp Asn Met Ala Glu Leu Phe Ala Val Val Lys Thr  
 35 40 45

Met Gln Ala Leu Glu Lys Ala Tyr Ile Lys Asp Cys Val Ser Pro Ser  
 50 55 60

Glu Tyr Thr Ala Ala Cys Ser Arg Leu Leu Val Gln Tyr Lys Ala Ala  
 65 70 75 80

Phe Arg Gln Val Gln Gly Ser Glu Ile Ser Ser Ile Asp Glu Phe Cys  
 85 90 95

Arg Lys Phe Arg Leu Asp Cys Pro Leu Ala Met Glu Arg Ile Lys Glu  
 100 105 110

Asp Arg Pro Ile Thr Ile Lys Asp Asp Lys Gly Asn Leu Asn Arg Cys  
 115 120 125

Ile Ala Asp Val Val Ser Leu Phe Ile Thr Val Met Asp Lys Leu Arg

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130

135

140

Leu Glu Ile Arg Ala Met Asp Glu Ile Gln Pro Asp Leu Arg Glu Leu  
 145 150 155 160

Met Glu Thr Met His Arg Met Ser His Leu Pro Pro Asp Phe Glu Gly  
 165 170 175

Arg Gln Thr Val Ser Gln Trp Leu Gln Thr Leu Ser Gly Met Ser Ala  
 180 185 190

Ser Asp Glu Leu Asp Asp Ser Gln Val Arg Gln Met Leu Phe Asp Leu  
 195 200 205

Glu Ser Ala Tyr Asn Ala Phe Asn Arg Phe Leu His Ala  
 210 215 220

&lt;210&gt; 284

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 284

Met Gly Asn Ser Gln Val Pro Gln Ser Ser Asp Phe Ser Ser Ile Leu  
 1 5 10 15

Leu Thr Thr Ser Leu Gly Thr Tyr Ser Leu Leu Leu Gly Thr Ala Gly  
 20 25 30

Ala Arg Thr Gly Ser Pro Met Ser  
 35 40

&lt;210&gt; 285

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 285

Met Gln Ala Pro Phe Xaa His Phe Ser Phe Arg Met Phe Ser Asn Leu  
 1 5 10 15

10004360-10004

Tyr Cys Phe Ser Asp Phe Gln Pro Asn Ile Ser Pro Cys Pro Leu Cys  
 20 25 30

His Cys Ile Leu Pro Xaa His His His Val Phe Leu Leu Leu Ala Val  
 35 40 45

Xaa

<210> 286  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals stop translation

<400> 286  
 Met Lys Leu Val Thr Met Phe Asp Lys Leu Ser Arg Asn Arg Val Ile  
 1 5 10 15

Gln Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp  
 20 25 30

Ala Met Cys Glu Thr Met Glu Gln Gln Leu Ser Ser Asp Pro Asp Ser  
 35 40 45

Asp Pro Asp Xaa  
 50

<210> 287  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals stop translation

<400> 287  
 Met Ala Val Gly Glu Ala Val Phe Val Pro Leu Gln His Pro Pro Leu  
 1 5 10 15

Leu His Gly Ser Pro Ile Pro Lys Leu Leu Pro Gly Pro Leu Leu Xaa  
 20 25 30

<210> 288  
 <211> 57  
 <212> PRT

10004860 "100701

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 288

Met Asn Gly Cys His Arg Arg Lys Arg Leu His Leu Cys Lys Thr Ile  
1 5 10 15

Tyr Leu Leu Trp Phe Val Phe Ser Phe Leu Leu Ser Asn Glu Val Val  
20 25 30

Ser Ser His Trp His Ile Leu Arg Ala Val Gln Ile Ile Cys Thr Leu  
35 40 45

Phe His Arg Xaa Ile Ser Ala Phe Xaa  
50 55

<210> 289

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 289

Met Gly Trp Val Ser Ser Pro His Val Lys Arg Arg Glu Cys Val Leu  
1 5 10 15

Lys Lys Pro Phe Phe Xaa  
20

<210> 290.

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 290

Met Phe Asn Phe Phe Lys Asn Pro Leu Leu Thr Cys Leu Phe Ile Ser  
1 5 10 15

10004360-120701

Cys Tyr Leu Tyr Leu Ser Leu Leu Val Asn Lys Val Leu Phe Ala Glu  
                   20                  25                  30

Glu Gly Leu Cys Cys Thr Tyr Cys Thr Thr Ser Asn Thr Gly Glu Gly  
           35                  40                  45

Gly Val Xaa  
       50

<210> 291

<211> 98

<212> PRT

<213> Homo sapiens

<400> 291

Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu Asp Gly  
       1                  5                  10                  15

Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro  
           20                  25                  30

Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser  
           35                  40                  45

Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser Leu Ser  
       50                  55                  60

Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu Glu Cys  
       65                  70                  75                  80

Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys Arg Cys  
           85                  90                  95

Asp Arg

<210> 292

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 292

Met Leu Cys Thr Ile Leu Thr Val Val Ile Ile Ile Ala Ala Gln Thr  
       1                  5                  10                  15

Thr Arg Thr Thr Gly Ile Pro Lys Asn Ala Pro Gly Pro Ala Pro Leu

10004860-120701

20

25

30

Cys Ala Pro Arg Ser Pro Arg Leu Phe Leu Gln Xaa Tyr Arg Gly Pro  
           35                          40                          45

Asn Gly Arg Pro Ala His Pro Phe Leu Gly Pro Ser Asp Leu Asp Thr  
           50                          55                          60

Ser Xaa  
       65

<210> 293  
 <211> 257  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (187)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (229)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (232)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (235)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (236)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (237)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (257)  
 <223> Xaa equals stop translation

<400> 293

10004860-120701

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro  
 1 5 10 15  
 Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala  
 20 25 30  
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val  
 35 40 45  
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu  
 50 55 60  
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His  
 65 70 75 80  
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile  
 85 90 95  
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala  
 100 105 110  
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe  
 115 120 125  
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met  
 130 135 140  
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val  
 145 150 155 160  
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly  
 165 170 175  
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp Leu  
 180 185 190  
 Glu Ile Leu Lys Phe Leu Trp Leu Pro His Leu Pro Ser Leu Lys Asp  
 195 200 205  
 Pro Ser Leu Ser Ser Thr Arg Ile Gln Pro Leu Thr Thr Phe Phe Cys  
 210 215 220  
 Pro Leu Leu Pro Xaa Lys Gln Xaa Lys Gln Xaa Xaa Xaa Ser Leu Trp  
 225 230 235 240  
 Leu Leu Ser His Leu Phe Ala Trp Glu Pro Val Pro Asn Thr Gln Val  
 245 250 255

Xaa

<210> 294

<211> 103

<212> PRT

<213> Homo sapiens

<220>

10004860.120701



<221> SITE  
 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (80)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (81)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (82)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (103)  
 <223> Xaa equals stop translation

<400> 294  
 Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Ala Val  
           1                  5                  10                  15  
 Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly  
                   20                  25                  30  
 Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser  
           35                  40                  45  
 Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val  
           50                  55                  60  
 Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Xaa Pro Xaa  
           65                  70                  75                  80  
 Xaa Xaa Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gln Asp  
                   85                  90                  95  
 Ile Glu Glu Glu Lys Gly Xaa  
                   100

<210> 295  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals stop translation

<400> 295

10004360-1001

Met Pro Val Thr Leu Ser Ser Leu Gly Phe Trp Val Leu Leu Ser Leu  
 1 5 10 15

Leu Phe Pro Trp Arg Thr Asp Gln Gly Cys Gly Pro Ala Thr Cys Tyr  
 20 25 30

Xaa

<210> 296  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals stop translation

<400> 296  
 Met Val Leu Gly Leu Leu Leu Leu Xaa Phe Phe Ser Phe Ser Ser  
 1 5 10 15

Ser Pro Ser Pro Ser Ser Ser Leu Leu Leu Ser Ser Phe Phe Phe  
 20 25 30

Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Xaa  
 35 40

<210> 297  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals stop translation

<400> 297  
 Glu Trp Leu Val Phe Thr Phe Leu Leu Val Phe Gly Ser Pro Leu Gly  
 1 5 10 15

Lys Gly Pro Leu Xaa  
 20

<210> 298  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

10004960.120701

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals stop translation

<400> 298  
 Met Ile Arg Ala Leu Ser Leu Phe Leu Ile Phe Asp Ala Ala Leu  
     1                    5                    10                    15  
 Phe Ser Leu Ser Val Phe Val Phe Ile Gly His Leu Leu Pro Met Pro  
             20                    25                    30  
 Lys Gly Thr Gly Leu His Ser Cys Ala Lys His Leu Ile Lys Ser Leu  
             35                    40                    45  
 Lys Glu Asn Val Leu Pro Leu Met Asn Tyr Pro Asp Cys Lys Leu Lys  
             50                    55                    60  
 Ile Asn Ile Ser Pro Xaa  
     65                    70

<210> 299  
 <211> 75  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals stop translation

<400> 299  
 Met Gly Lys Leu Ile Arg Leu Ser Val Met Val Met Ser Val Arg Arg  
     1                    5                    10                    15  
 Leu Phe Ser Ile Tyr Trp Val Leu Ser Thr Val Pro Asp Ala Val Gly  
             20                    25                    30  
 Ser Arg Gly Gly Met Glu Glu Glu Cys Ser Arg Gly Leu Cys Cys Val  
             35                    40                    45  
 Ala Gly Gln His Lys Gln Ala Lys Gly Lys Arg Gln Ala Trp Asn Lys  
             50                    55                    60  
 Gly Gly Glu Tyr Gln Cys Val Thr Tyr Cys Xaa  
     65                    70                    75

<210> 300  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)

10004350-120701

<223> Xaa equals stop translation

<400> 300

Met Pro Ala Leu Val Thr Leu Leu Leu Leu Phe Pro Leu Leu Pro Leu  
1 5 10 15

Met Glu Ala Ser Cys His Val Met Arg Cys Pro Met Glu Arg Pro Thr  
20 25 30

Xaa

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 301

Glu Ala Pro Trp Gly Leu Leu Lys Leu Leu Leu Leu Ala Val Phe  
1 5 10 15

Xaa

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 302

Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu Glu Pro Lys  
1 5 10 15

Xaa

<210> 303

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

10004560 120701

&lt;400&gt; 303

Met Gln Ser Pro Lys Phe Leu Ser Xaa Thr Pro Tyr Leu Phe Gln Thr  
 1 5 10 15

Pro Phe His Leu Ile Ser Leu Pro Cys His Phe Phe Ile Phe Lys Met  
 20 25 30

Pro Ile Val Tyr Val Leu Phe Lys Phe Phe Glu Arg Leu Lys Gln Pro  
 35 40 45

Leu Ser Lys Ile Pro Phe Cys Leu Leu Ala Phe Lys Phe Ser Ile Arg  
 50 55 60

Ala Phe Phe Leu Pro Leu Trp His Ala Ala Leu Trp Leu Ser Phe Val  
 65 70 75 80

Phe Phe Ala Gly Phe Leu His Asp Val Val Val Val Ser Cys Leu Thr  
 85 90 95

Leu Cys Gly Val Val Ser Cys Ser Phe Ser Ser Pro Arg Cys Leu  
 100 105 110

&lt;210&gt; 304

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 304

Met Ala Leu Leu Ile Ser Ser Leu Ile Trp Ser Xaa  
 1 5 10

&lt;210&gt; 305

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 305

Met Gln Met Phe Thr Val Ser Leu Leu Leu Ser Leu Leu Leu Arg Ser  
 1 5 10 15

Thr Asp Gln Asn His Leu Gln Leu Leu Val Gly Arg Glu Asp His Tyr  
 20 25 30

Gly Gly Xaa  
 35

1004560 120701

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<400> 306
Met Ser Glu Ser Ala Cys Ile Leu Asn Asn Gln Lys Glu Leu Xaa
  1                               10                      15
```

<400> 307  
Met Asp Leu Asp Arg Val Lys Ala Glu Ala Thr Glu Asp Ile Thr Ser  
1 5 10 15

Phe Pro Ser Ala Val Leu Gly Ser Thr Arg Thr Xaa  
35 40

<400> 308  
Met Met Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu  
1 5 10 15

Ser Thr Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu  
35 40 45

Phe Val Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe  
50 55 60

Gly Lys Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu  
65 70 75 80

[illegible]

Leu Leu Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr  
                   85                  90                  95

Thr Cys Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile  
                   100                  105                  110

Ser Ser Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys  
                   115                  120                  125

Val Thr Gly Lys Ser Lys Lys Arg Asn  
                   130                  135

<210> 309  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals stop translation

<400> 309  
 Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu  
                   1                  5                  10                  15

Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu  
                   20                  25                  30

Arg Xaa

<210> 310  
 <211> 137  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (137)  
 <223> Xaa equals stop translation

<400> 310  
 Met Arg Thr Pro Gly Pro Leu Pro Val Leu Leu Leu Leu Ala Gly  
                   1                  5                  10                  15

Ala Pro Ala Ala Arg Pro Thr Pro Pro Thr Cys Tyr Ser Arg Met Arg  
                   20                  25                  30

Ala Leu Ser Gln Glu Ile Thr Arg Asp Phe Asn Leu Leu Gln Val Ser  
                   35                  40                  45

Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg Leu Tyr Leu Asp  
                   50                  55                  60

10004360-120701

Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg Asp Phe Val Ala Ser  
65 70 75 80

Pro Pro Cys Trp Lys Val Ala Gln Val Asp Ser Leu Lys Asp Lys Ala  
85 90 95

Arg Lys Leu Tyr Thr Ile Met Asn Ser Phe Cys Arg Arg Asp Leu Val  
100 105 110

Phe Leu Leu Asp Asp Cys Asn Ala Leu Glu Tyr Pro Ile Pro Val Thr  
115 120 125

Thr Val Leu Pro Asp Arg Gln Arg Xaa  
130 135

<210> 311

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 311

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Xaa Leu Val  
1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln  
20 25 30

Ile Leu Val Asn Xaa Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp  
35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe Xaa  
50 55

<210> 312

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

10004860-120001



<223> Xaa equals stop translation

<400> 312

Met Ser Arg Arg Ala Glu Ala Ser Ile Phe Val Leu Pro Lys Thr Leu  
1 5 10 15

Leu Phe Val Leu Phe Pro Ala Phe Pro Ser Pro Ala Val Gly Cys Pro  
20 25 30

Val Pro Xaa  
35

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313

Met Ala Leu Glu Met Val Trp Gly Ser Val Tyr His Cys Ser Cys Tyr  
1 5 10 15

Ile Thr Pro Trp Ser Lys Ile Gln Ser Phe Ser Leu Ser Leu Phe Gln  
20 25 30

Phe Ile Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp  
35 40 45

Tyr Glu Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu Asn Gly Gln  
50 55 60

Phe Leu Met Met His Arg Val Asn Thr Ser Lys Leu Glu Lys Gln Leu  
65 70 75 80

Leu Lys Leu Glu Gln Ser Thr Gly Xaa  
85 90

<210> 314

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 314

Met Phe Val Leu Phe Ser Leu Pro Lys Tyr Ala Gly Leu Arg Leu Pro  
1 5 10 15

Ile Pro Gly Leu Ser Ala Leu Leu Val Phe Leu Leu Ser Leu Phe Ser

10004360-120701

20

25

30

Arg Arg Ala Gln Val Glu Leu Thr Thr Gly Arg Glu Thr Leu Pro Lys  
                   35                                  40                                  45

Asn Leu Gln Gly Tyr Phe Pro Glu Phe Gly Phe Gln Val Gln Asn Phe  
                   50                                  55                                  60

Leu Ser Cys Lys Ile Tyr Ala Ala Ser Gln Lys Gln Pro Leu Pro Pro  
                   65                                  70                                  75                                  80

Leu Tyr Gln Leu Arg Phe Tyr Leu Lys His Met Gly Leu Pro Xaa  
                                   85                                  90                                  95

&lt;210&gt; 315

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 315

Met Ser Ser His Trp Thr Leu Lys Ile Leu Leu Val Pro Leu Phe Tyr  
                   1                                  5                                  10                                  15

Leu Ser Leu Glu Phe Pro Ser Gly Phe Val Leu Cys Leu Ala Asn Asp  
                                   20                                  25                                  30

Leu Gly Tyr His Phe Ser Ser Arg Val Arg Ser Xaa  
                   35                                  40

&lt;210&gt; 316

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 316

Met Leu Val Val Asn Ile Asn Leu Val Phe Leu Leu Phe Phe Ile Phe  
                   1                                  5                                  10                                  15

Leu Cys Tyr Leu Asp Ala Cys Ile Asn Val Phe Cys Phe Tyr Xaa  
                   20                                  25                                  30

&lt;210&gt; 317

&lt;211&gt; 113

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

10004860-120701

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (113)  
 <223> Xaa equals stop translation

<400> 317

Met	Pro	Val	Leu	Pro	Gly	Arg	Thr	Thr	Ala	Leu	Leu	Ser	Leu	Thr	Leu
1				5					10					15	
Ala	Phe	Ala	Val	Pro	Cys	Ser	Gly	Val	Glu	Ala	Gly	Pro	Cys	Val	Pro
			20					25					30		
Arg	Ser	His	Gly	Cys	Ser	Ser	Trp	Glu	Ala	Ser	Val	Cys	Val	Thr	Ser
		35					40					45			
Ser	Thr	Pro	Gly	Gly	Ser	Trp	Arg	Ala	Arg	Ala	Leu	Phe	Pro	Ser	Ala
	50					55					60				
Ala	Trp	His	Arg	Xaa	Ala	Ala	Trp	Asp	Ser	Pro	Trp	Thr	Gln	Thr	Gly
65					70					75					80
Asp	Phe	Ala	Arg	Gly	Ala	Met	Gly	Gly	Ala	Gly	Ala	Leu	Pro	Gly	Gly
				85					90					95	
Cys	Val	Cys	Ile	Ser	Gly	Arg	Pro	Arg	Ala	Gln	Lys	Leu	Pro	Ala	Leu
			100					105						110	

Xaa

<210> 318  
 <211> 235  
 <212> PRT  
 <213> Homo sapiens

<400> 318

Met	Ser	Pro	Arg	Tyr	Pro	Gly	Gly	Pro	Arg	Pro	Pro	Leu	Arg	Ile	Pro
1				5					10					15	
Asn	Gln	Ala	Leu	Gly	Gly	Val	Pro	Gly	Ser	Gln	Pro	Leu	Leu	Pro	Ser
			20					25					30		
Gly	Met	Asp	Pro	Thr	Arg	Gln	Gln	Gly	His	Pro	Asn	Met	Gly	Gly	Pro
		35						40				45			
Met	Gln	Arg	Met	Thr	Pro	Pro	Arg	Gly	Met	Val	Pro	Leu	Gly	Pro	Gln
	50						55					60			
Asn	Tyr	Gly	Gly	Ala	Met	Arg	Pro	Pro	Leu	Asn	Ala	Leu	Gly	Gly	Pro
65					70					75					80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro  
                             85                            90                            95  
 Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly  
                             100                            105                            110  
 Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile  
                             115                            120                            125  
 Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr  
                             130                            135                            140  
 Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met  
                             145                            150                            155                            160  
 Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser  
                             165                            170                            175  
 His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser  
                             180                            185                            190  
 Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro  
                             195                            200                            205  
 Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser  
                             210                            215                            220  
 Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val  
                             225                            230                            235

&lt;210&gt; 319

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 319

Met Glu Asn Phe Phe Phe Ser Phe Tyr Leu Phe Leu Ile Thr Leu Ile  
                             1                            5                            10                            15

Pro Asn Gly Arg Thr Leu Ser Thr Thr Ala Asp His Cys Lys Ile Pro  
                             20                            25                            30

Cys Ile Xaa  
                             35

&lt;210&gt; 320

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

10004850-120701

<221> SITE  
 <222> (35)  
 <223> Xaa equals stop translation

<400> 320

Met Glu Leu Trp Glu Leu Ala Leu Cys Leu Leu Val Ala Leu Ser Ala  
       1                  5                  10                  15

His Met Phe Thr Val Gln Leu Leu Ala Asp Leu Gly Phe Leu Phe Gly  
           20                  25                  30

Gly Phe Xaa  
           35

<210> 321

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals stop translation

<400> 321

Met Gly Ala Gly Ile Leu Ala Leu Leu Leu Pro Leu Glu Ser Val Leu  
       1                  5                  10                  15

Thr Cys Ser Trp Ile Ser Val Ser Thr Ser Glu Arg Gln Leu Trp Gln  
           20                  25                  30

Ser Ser Gln Lys Ala Thr Ile Leu Ser Leu Lys Leu Asp Ser Cys Phe  
           35                  40                  45

Cys Gly His Ser Gly Leu Lys Gly Lys Asn Glu Asp Thr Asp Ser Ser  
       50                  55                  60

Val Pro Ile Ile Pro Ser Lys Thr His Thr His Leu Gly Lys His Leu  
       65                  70                  75                  80

Ile Xaa

<210> 322

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

10004560.120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 322

Met Phe Tyr Phe Val Leu Phe Ile Tyr Ser Ser Ser Glu Thr Trp Ser  
1 5 10 15

Gly Ser Val Ala Gln Asp Gly Val His Gly Val Ile Ile Gly His Cys  
20 25 30

Ser Val Glu Leu Pro Gly Ser Gly Asp Pro Pro Ala Ser Ala Xaa Leu  
35 40 45

Val Ala Gly Thr Ile Gly Thr Cys Pro Thr Met Pro Gly Phe Val Tyr  
50 55 60

Phe Leu Asn Asp Val Xaa Asn Xaa  
65 70

<210> 323

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 323

Met Asp Ser Thr Leu Arg Gln Gly Arg Xaa Leu Leu Thr Leu Val Pro  
1 5 10 15

Ala Ser Leu Phe Ser Leu Thr Leu Gly Gly Pro Gly Pro Trp Lys Asp  
20 25 30

Pro Xaa

<210> 324

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

10004860 120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324

Met Gln Val Val Gly Ser Trp Pro Gly Arg Val Gly Val Val Gly Leu  
1 5 10 15

Ala Phe Ser Leu Val Ile Pro Pro Pro Ala Ile Cys Ile Ala Gly Pro  
20 25 30

Ala Pro Gly Leu Gly Gly Gly Glu Arg Gln Gln Lys Gly Leu Gly Arg  
35 40 45

Gly Gly Gly Gly Leu Arg Asn Cys Pro Gly Arg Val Gly Met Ala Ala  
50 55 60

Glu Pro Gly Ala Leu Leu Cys Leu Thr Ser Arg Asp Gly Ser Leu Leu  
65 70 75 80

Leu Ser Cys Val Arg Pro His His Val Ile Lys Pro Lys Gly Thr Ala  
85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa  
100 105 110

Gly Gly Xaa  
115

<210> 325

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

10004860-120701

&lt;400&gt; 325

Met Asp Leu Pro Gln Phe Ile Tyr Leu Phe Ile Phe Cys Phe Cys Cys  
 1 5 10 15

Leu Ala Ile Val Asn Asn Ala Ser Ile Asn Ile His Ile Gln Val Ser  
 20 25 30

Met Trp Leu Tyr Val Phe Ile Ser Leu Gly Tyr Leu His Gly Ser Arg  
 35 40 45

Ile Leu Gly His Asn Ile Ile Leu Cys Leu Thr Ser Gln Arg Ile Ala  
 50 55 60

Lys Arg Phe Phe Ile Val Ala Ala Ser Phe Thr Phe Pro Pro Ala Met  
 65 70 75 80

Tyr Lys Asp Phe Tyr Phe Ser Ile Ser Leu His Leu Pro Thr Leu Leu  
 85 90 95

Phe Xaa Xaa Xaa Phe Val Phe Ser Leu Leu Pro Pro  
 100 105

&lt;210&gt; 326

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 326

Met Cys Ser Pro Ser Leu Ser Ser Ser Pro Pro Pro Leu Leu Gln Val  
 1 5 10 15

Phe Phe Phe Phe Phe Ser Pro His Trp Ala Ala Lys Val Val Pro  
 20 25 30

Gln Trp Lys Xaa Arg His Pro Gln Val Ser Ser Gln Leu Leu Leu Cys  
 35 40 45

Phe Leu Arg Val Asn Cys Gln Phe Leu Phe Leu Gln Glu Ile Leu Phe  
 50 55 60

Xaa

65

&lt;210&gt; 327

&lt;211&gt; 49

&lt;212&gt; PRT

10004360.120701



<213> Homo sapiens

<400> 327

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe  
1 5 10 15

Ala Phe Phe Ser Ile Thr Ser Glu Asn Glu Thr Phe Tyr Met Ile Ile  
20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe  
35 40 45

Leu

<210> 328

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Met Glu Arg Pro Asp Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser  
1 5 10 15

Leu Pro Ala Gly Ser Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr  
20 25 30

Ala Gly Tyr Xaa Gln Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr  
35 40 45

Leu Leu Leu Cys Arg Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu  
50 55 60

His Thr Ala Ser Gly Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp  
65 70 75 80

Gly Phe Ile Ala Asp Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu  
85 90 95

Gly Glu Met Arg Phe Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu  
100 105 110

Arg Thr Tyr Arg Gly Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly  
115 120 125

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln Gly Pro Val Asp  
130 135 140

Ala His Leu Val Pro Leu Glu Glu Pro Val Pro Ser His Trp Thr Val  
145 150 155 160

Val Pro Asp Glu Asp Phe Val Leu Val Leu Ala Leu Leu His Ser His

10004860-120/01

165

170

175

Leu Gly Ser Glu Met Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly  
 180 185 190

Val Met His Leu Phe Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu  
 195 200 205

Leu Arg Leu Phe Leu Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu  
 210 215 220

Cys Pro Tyr Leu Val Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro  
 225 230 235 240

Lys Asp Gly Lys Gly Val Phe Ala Val Asp Gly Glu Leu Met Val Ser  
 245 250 255

Glu Ala Val Gln Gly Gln Val His Pro Asn Tyr Phe Trp Met Val Ser  
 260 265 270

Gly Cys Val Glu Pro Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro  
 275 280 285

Pro Glu Glu Pro Leu  
 290

<210> 329

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 329

Met Pro Leu Glu Gly Phe Cys Leu Val Leu Asp Ile Gly Phe Leu Leu  
 1 5 10 15

Val Met Leu Ile Ser Leu Ala Ser Glu Cys Phe Thr Thr Cys Leu Asp  
 20 25 30

Ser Phe Ser Thr Thr Glu Pro Gly Cys Lys Phe Tyr Lys Leu Leu His  
 35 40 45

Ser Val Ser Leu Leu Asn Ile Asn Phe Asn Val Lys Ser Leu Leu Cys  
 50 55 60

Ser His Ile Xaa  
 65

<210> 330

<211> 105

<212> PRT

<213> Homo sapiens

100049601

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals stop translation

<400> 330

Met Pro Leu Gln Leu Ser Gly Gln Tyr Trp Ile Ser Leu Leu Val Phe  
 1 5 10 15

Leu Ser Leu Gln Pro Phe Pro Gln Ala Ala Ile Pro Cys Ala Leu Thr  
 20 25 30

Asp Val Gly Gly Ser Cys Val Ile Cys His Ile Leu Leu Asn Cys Leu  
 35 40 45

Cys Ile Leu Phe Thr Leu Thr Ala Pro Ser Leu Ser His Val Leu Leu  
 50 55 60

Ile Lys Met Ser Leu Ser Val Cys Tyr Glu Pro Gly Ala Asp Leu Ser  
 65 70 75 80

Asp Arg Ala Ala Thr Gly Asn Lys Lys Leu Thr Arg Ser Thr Cys Leu  
 85 90 95

Leu Met His Ser Asn Lys Leu Cys Xaa  
 100 105

<210> 331

<211> 58

<212> PRT

<213> Homo sapiens

<400> 331

Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu  
 1 5 10 15

Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Gly Leu Phe Gly Leu Ile  
 20 25 30

Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Pro Leu Ser Pro  
 35 40 45

Thr Thr Leu Met Cys Gln Ser Pro Leu Leu  
 50 55

<210> 332

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

10004350-120701

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals stop translation

<400> 332  
 Met Leu Asn Val Leu Ser Lys Val Gln Gln Leu Val Ser Xaa Leu Gly  
           1                  5                  10                  15  
 Leu Val Thr Phe Leu Leu Asn His Ser Ala Ala Gly Gly Ser Pro Gln  
                   20                  25                  30  
 His Arg Trp Leu Leu Leu Xaa  
                   35

<210> 333  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (72)  
 <223> Xaa equals stop translation

<400> 333  
 Met Lys Ala Ile Ala Arg Ala Cys Leu Leu Leu Ser Leu Leu Val Leu  
           1                  5                  10                  15  
 Pro His Val Val Ser Glu His Leu Phe Trp His His Asn Pro Arg His  
                   20                  25                  30  
 Pro Val Ile Trp Pro Phe Pro Pro Phe His Leu Ile Ser Cys Ser Val  
           35                  40                  45  
 Ser Ala Ser Thr Trp His Leu Gly Glu Xaa Leu Leu Leu Leu Val Pro  
           50                  55                  60  
 Ile Ala Pro Ser Val Trp Ser Xaa  
           65                  70

<210> 334  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals stop translation

10004360-120701

&lt;400&gt; 334

Met Glu Gln Gly Gly Gly Pro Arg Leu Leu Leu Ile Pro Gly Leu  
 1 5 10 15

Leu His Asn Thr Tyr Leu Ala Arg Pro Gly Asp Phe Pro Ala Gln Gly  
 20 25 30

Thr Thr Glu Asn Thr Glu Cys Gln Gly Ser Pro Ser Pro Ile Ser His  
 35 40 45

Leu Gly Lys Val Arg Ser Leu Asp Ser Asn Thr Gln Ile Xaa  
 50 55 60

&lt;210&gt; 335

&lt;211&gt; 286

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (286)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 335

Met Pro Leu Leu Phe Phe Ser Val Ser Thr Leu Phe Ser Gly Ser Val  
 1 5 10 15

Thr Leu Gln Gln Arg Gly Met Phe Leu Pro Trp Thr Gly Thr Gly Glu  
 20 25 30

Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu Met  
 35 40 45

Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly Leu  
 50 55 60

Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser Ser  
 65 70 75 80

Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met Gln  
 85 90 95

Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg Val  
 100 105 110

Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn  
 115 120 125

Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp Asp  
 130 135 140

Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr Gln  
 145 150 155 160

Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val Ala  
 165 170 175

10004560-120701

Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu Arg  
180 185 190

Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe Gly  
195 200 205

Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met Arg  
210 215 220

Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly Ala Leu  
225 230 235 240

Thr Gln Leu Ile Gln Leu Tyr His Arg Phe His Arg Val Leu Ser Gln  
245 250 255

Pro Gln Leu Arg Ala Leu Pro Ala Arg Ala Glu Leu Ile Asn Ile His  
260 265 270

His Leu Met Val Glu Leu Lys Lys His Lys Pro Asn Phe Xaa  
275 280 285

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 336

Met Phe Arg Ala Leu Arg Asp Leu Leu Thr His Tyr Pro Gln Gln Ile  
1 5 10 15

Leu Leu Gln Val Leu Val Val Met Tyr Gln Val Leu Gln Val Trp Glu  
20 25 30

Leu Pro Trp Pro Glu Leu Ile His Leu Gln Gly Ile Val Pro Thr Asp  
35 40 45

Gln Leu His Leu Lys Gln Xaa  
50 55

<210> 337

<211> 59

<212> PRT

<213> Homo sapiens

<400> 337

Met Ser Tyr Pro Leu Phe Leu Phe Met Ser Cys Met Val Ile Ser Leu  
1 5 10 15

Ser Pro Asn Ala Gly Ser Gln Thr Ser Thr Val Arg Cys Leu Ser Asp  
20 25 30

10004360-120701

Leu Val Thr Phe Thr Leu Ile Lys Gly Ser Pro Val His Gln Thr Pro  
                   35                                  40                                  45

Tyr Leu Glu Ser Ser Ile Asn Cys Ile Thr Phe  
           50                                  55

<210> 338

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals stop translation

<400> 338

Met His Pro Ala Arg Lys Leu Leu Ser Leu Leu Phe Leu Ile Leu Met  
       1                                  5                                  10                                  15

Gly Thr Glu Leu Thr Gln Asp Ser Ala Ala Pro Asp Ser Leu Leu Arg  
                   20                                  25                                  30

Ser Ser Lys Gly Ser Thr Arg Gly Ser Leu Ala Ala Ile Val Ile Trp  
           35                                  40                                  45

Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys Thr Pro Gly Ile Phe Arg  
       50                                  55                                  60

Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu Trp Leu  
       65                                  70                                  75                                  80

Ile Leu Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly  
                   85                                  90                                  95

Gly Gly Asp Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly  
                   100                                  105                                  110

Gln Leu Cys Ala Leu Leu Ala Xaa  
           115                                  120

<210> 339

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids.

<400> 339

Met Pro Ser Phe Phe Leu Ser Leu Ile Gln Thr Asn Thr Leu Gly Ser  
       1                                  5                                  10                                  15

Ala Ser Phe Leu Leu Phe Leu Thr Leu His Ile His Leu Ser Pro Asn

10004860-120701

20

25

30

Xaa Val His Ser Ala Ser

35

&lt;210&gt; 340

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 340

Met	Phe	Ser	Arg	Thr	Ser	Asn	Phe	Trp	Thr	Phe	Phe	Phe	Gln	Phe	Leu
1					5				10					15	

Ile	Phe	Lys	Val	Phe	Leu	Val	Leu	Lys	Asn	Leu	Phe	Thr	Ser	Gln	Lys
			20					25					30		

Ile	Tyr	Lys	Ile	Tyr	Ser	Glu	Lys	Pro	Lys	Lys	Lys	Lys	Lys		
		35					40						45		

&lt;210&gt; 341

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 341

Met	Gly	Leu	Leu	Ile	Phe	Met	Leu	Leu	Ile	Gly	Ile	His	Ser	Gln	Cys
1				5					10					15	

Ser Xaa

&lt;210&gt; 342

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 342

Met	Val	Leu	Phe	Cys	Phe	Val	Leu	Phe	Cys	Phe	Val	Phe	Glu	Met	Asp
1				5					10					15	

Ser	Ser	Ser	Val	Thr	Gln	Ala	Gly	Val	Gln	Trp	Cys	Asp	Leu	Gly	Ser
			20					25					30		

Leu	Gln	Ala	Pro	Pro	Pro	Gly	Phe	Ser	Pro	Phe	Ser	Cys	Leu	Ser	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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35

40

45

Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe  
 50 55 60

Leu Tyr Phe Leu Val Glu Thr Gly Phe His His Val Ser Gln Asp Gly  
 65 70 75 80

Leu Asp Leu Leu Thr Ser Xaa  
 85

<210> 343

<211> 538

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (538)

<223> Xaa equals stop translation

<400> 343

Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe  
 1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr  
 20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn  
 35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp  
 50 55 60

Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn  
 65 70 75 80

Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser  
 85 90 95

Pro Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe  
 100 105 110

Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val  
 115 120 125

Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala  
 130 135 140

His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys  
 145 150 155 160

Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp Val Leu Pro Phe  
 165 170 175

Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr Leu Leu Asn Ile Arg  
 180 185 190

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Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu Ile  
 195 200 205  
 Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr Lys  
 210 215 220  
 Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile Ile  
 225 230 235 240  
 Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro Val  
 245 250 255  
 Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe Ile  
 260 265 270  
 Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met  
 275 280 285  
 Leu Leu Phe Gly Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu  
 290 295 300  
 Ser Phe Trp Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu  
 305 310 315 320  
 Arg Asn His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val  
 325 330 335  
 Gly Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln  
 340 345 350  
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr Glu  
 355 360 365  
 Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys Leu Tyr  
 370 375 380  
 Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg Asn Ile Ser  
 385 390 395 400  
 Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val Arg Arg Leu His  
 405 410 415  
 Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu Met Leu Ile Thr Leu  
 420 425 430  
 Ala Cys Ala Ala Met Thr Val Ile Phe Phe Ile Val Ser Gln Val Thr  
 435 440 445  
 Glu Gly His Trp Lys Trp Gly Gly Val Thr Val Gln Val Asn Ser Ala  
 450 455 460  
 Phe Phe Thr Gly Ile Tyr Gly Met Trp Asn Leu Tyr Val Phe Ala Leu  
 465 470 475 480  
 Met Phe Leu Tyr Ala Pro Ser His Lys Asn Tyr Gly Glu Asp Gln Ser  
 485 490 495

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Asn Gly Met Gln Leu Pro Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe  
 500 505 510

Val Ser Glu Leu Tyr Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe  
 515 520 525

Ile Asn Asp Asn Ala Ala Ser Gly Ile Xaa  
 530 535

<210> 344

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals stop translation

<400> 344

Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val Met Leu Cys  
 1 5 10 15

Cys Ala Leu Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile  
 20 25 30

Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val  
 35 40 45

Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala  
 50 55 60

Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Val Ile Ile Ser Ile  
 65 70 75 80

Ile Val Ala Ala Leu Gly Val Leu Leu Ser Val Val Gly Gly Lys Cys  
 85 90 95

Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met Ile Val  
 100 105 110

Ala Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val  
 115 120 125

Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val  
 130 135 140

Ala Ser Gly Gln Lys Arg Glu Met Gly Ala Ser Leu Tyr Val Gly Trp  
 145 150 155 160

Ala Ala Ser Gly Leu Leu Leu Leu Gly Gly Gly Leu Leu Cys Cys Asn  
 165 170 175

Cys Pro Pro Arg Thr Asp Lys Pro Tyr Ser Ala Lys Tyr Ser Ala Ala  
 180 185 190

Arg Ser Ala Ala Ala Ser Asn Tyr Val Xaa

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195

200

<210> 345  
 <211> 122  
 <212> PRT  
 <213> Homo sapiens

<400> 345  
 Met Val Ser Ile Ser Val Val Leu Arg Val Ser Leu Pro Thr Leu Glu  
 1 5 10 15  
 Pro Val Pro Val Ala Gly Arg Ser Ile Trp Ile Ser Thr Thr Ser Pro  
 20 25 30  
 Ser Met Ile Ser Val Ser Ser Leu Met Arg Thr Pro Met Asp Arg Arg  
 35 40 45  
 Lys Ala Cys Val Ser Ala Ser Val Leu Leu Ile Ser Arg Glu Lys Ile  
 50 55 60  
 Ser Leu Pro Ala Met Ala Val Asn Gly Val Ser Gly Pro Arg Ala Cys  
 65 70 75 80  
 Ala Met Pro Met Ala Met Ala Val Phe Pro Val Pro Gly Trp Pro Ala  
 85 90 95  
 Ile Arg Thr Ala Arg Pro Ala Ile Phe Pro Ser Arg Ile Ile Ser Ser  
 100 105 110  
 Thr Thr Pro Ala Ala Arg Arg Ala Ala Ser  
 115 120

<210> 346  
 <211> 260  
 <212> PRT  
 <213> Homo sapiens

<400> 346  
 Met Leu Ala Leu Leu Gly Leu Ser Gln Ala Leu Asn Ile Leu Leu Gly  
 1 5 10 15  
 Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys Glu Lys Gly  
 20 25 30  
 Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr  
 35 40 45  
 Leu Arg Leu Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg Thr Tyr Asn  
 50 55 60  
 Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln Arg Leu Tyr  
 65 70 75 80  
 Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala  
 85 90 95

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Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp  
100 105 110

Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn Ser Ile Tyr Glu Leu  
115 120 125

Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val Leu Glu Tyr Ala Thr  
130 135 140

Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr Ser Gln Ala Gly Phe  
145 150 155 160

Ser Gly Glu Asp Arg Leu Glu Gln Ala Lys Leu Phe Cys Arg Thr Leu  
165 170 175

Glu Asp Ile Leu Ala Asp Ala Pro Glu Ser Gln Asn Asn Cys Arg Leu  
180 185 190

Ile Ala Tyr Gln Glu Pro Ala Asp Asp Ser Ser Phe Ser Leu Ser Gln  
195 200 205

Glu Val Leu Arg His Leu Arg Gln Glu Glu Lys Glu Glu Val Thr Val  
210 215 220

Gly Ser Leu Lys Thr Ser Ala Val Pro Ser Thr Ser Thr Met Ser Gln  
225 230 235 240

Glu Pro Glu Leu Leu Ile Ser Gly Met Glu Lys Pro Leu Pro Leu Arg  
245 250 255

Thr Asp Phe Ser  
260

<210> 347

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 347

Met Thr Pro Gln Lys Pro Ala Leu Ala Val Leu Leu Leu Glu Val Pro  
1 5 10 15

Leu Leu Leu Thr Leu Ser Val Leu Lys Lys Arg Cys Leu Val Thr Cys  
20 25 30

Glu Pro Thr Ser Arg Phe Val Ser Cys Asp Leu Pro Leu Ser Val Xaa  
35 40 45

10004860-120701

<210> 348  
 <211> 334  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (288)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (334)  
 <223> Xaa equals stop translation

<400> 348  
 Met Ala Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu Leu  
   1                  5                  10                  15  
 Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly Pro Ala  
                   20                  25                  30  
 Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro Ile Pro Ser  
           35                  40                  45  
 Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe Arg Asn Thr Thr  
   50                  55                  60  
 Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp Leu Ser Leu Asn Ile  
   65                  70                  75                  80  
 Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr Asn Glu Ile Tyr Asn Phe  
                   85                  90                  95  
 Lys Ala Glu Glu Val Glu Leu Tyr Leu Glu Lys Leu Lys Glu Lys Arg  
           100                  105                  110  
 Gly Leu Ser Gly Lys Tyr Gln Thr Ser Ser Lys Leu Phe Gln Asn Cys  
   115                  120                  125  
 Ser Glu Leu Phe Lys Thr Gln Thr Phe Ser Gly Asp Phe Met His Arg  
   130                  135                  140  
 Leu Pro Leu Leu Gly Glu Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn  
   145                  150                  155                  160  
 Leu Thr Phe Ile Gly Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr  
           165                  170                  175  
 Trp Gln Asp Ala Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser  
           180                  185                  190  
 Ser Lys Glu Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met  
   195                  200                  205  
 Thr Val Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr  
   210                  215                  220

10004260-120701

Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe  
225 230 235 240

Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu Leu  
245 250 255

Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met Leu Glu  
260 265 270

Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr Lys Gly Xaa  
275 280 285

Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu Ser Ala Val Lys  
290 295 300

Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val Ser Leu Gly Tyr Gly  
305 310 315 320

Ile Val Lys Pro Arg Leu Glu Ser Leu Phe Ile Arg Leu Xaa  
325 330

<210> 349

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 349

Met Val Leu Xaa Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys  
1 5 10 15

Gly Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr  
20 25 30

Ala Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu  
35 40 45

Phe Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr  
50 55 60

Leu Ala Ile Thr Leu Ala Ala Ser Ala Gly Ser Ser Ser Ser Thr  
65 70 75 80

10004860-120701

Pro Ser Leu Arg Ser Thr Ala Pro Phe Cys Gln Pro Cys Arg Arg Thr  
85 90 95

Arg Pro Thr Thr Ser Thr Arg Arg Ser Pro Gly Cys Gly Arg Arg Pro  
100 105 110

Ser Arg Arg Thr Cys Ser Cys Arg Gly Pro Ile Trp Arg Thr Arg Pro  
115 120 125

Ser Pro Trp Met Asn Thr Met Gln Leu Ser Glu Gln Gln Asp Phe Pro  
130 135 140

Thr Ala Ala Trp Glu Lys Asp Pro Val Ala Ala Trp Gly Lys Asp Pro  
145 150 155 160

Ala Leu Arg Leu Glu Ala Thr Cys Ile Ser Gln Leu Arg Trp Pro Ser  
165 170 175

Cys Ser Thr Val Gly Pro Ser Gln Leu Leu Arg Gln Val Thr Gln Glu  
180 185 190

Xaa Thr Phe Gly Glu Arg Leu Xaa  
195 200

<210> 350

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 350

Met Leu Leu His His Gln Leu Leu Ile Val Thr Leu His Leu Val Leu  
1 5 10 15

Leu Leu Ala Thr Leu Leu Val Xaa  
20

<210> 351

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

10004650-120701



<220>  
 <221> SITE  
 <222> (143)  
 <223> Xaa equals stop translation

<400> 351

Met Thr Lys Ala Leu Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu  
 1 5 10 15

Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln  
 20 25 30

Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu  
 35 40 45

Cys Leu Ala Phe Val Glu Ser Lys Phe Asn Ile Ser Lys Ile Asn Glu  
 50 55 60

Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn Ser His  
 65 70 75 80

Tyr Trp Cys Asn Xaa Tyr Lys Ser Tyr Ser Glu Asn Leu Cys His Val  
 85 90 95

Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu Ala Gly Ile His Cys  
 100 105 110

Ala Lys Arg Ile Val Ser Gly Ala Arg Gly Met Asn Asn Trp Val Arg  
 115 120 125

Met Glu Xaa Cys Thr Val Gln Ala Gly His Ser Ser Thr Gly Xaa  
 130 135 140

<210> 352  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (95)  
 <223> Xaa equals stop translation

<400> 352

Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Ile  
 1 5 10 15

Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu Lys Ala  
 20 25 30

Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys  
 35 40 45

Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser  
 50 55 60

Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe

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65

70

75

80

Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu Xaa  
                             85                            90                            95

&lt;210&gt; 353

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 353

Met Leu Leu Lys Ser Asn Ile Leu Met Leu Asn Leu Phe Ala Ala Asn  
   1                            5                            10                            15

Val Gly Ala Asn Phe Ala Leu Thr Val Glu Lys Ile Gly Met Ile Leu  
                             20                            25                            30

Leu Asn Val Ser Gly Xaa  
                             35

&lt;210&gt; 354

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 354

Met Leu Val Val Ala Phe Gly Leu Leu Val Leu Tyr Ile Leu Leu Ala  
   1                            5                            10                            15

Ser Ser Trp Lys Arg Pro Glu Pro Gly Ile Leu Thr Asp Arg Gln Pro  
                             20                            25                            30

Leu Leu His Asp Gly Glu Xaa  
                             35

&lt;210&gt; 355

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

10004300-100701

<223> Xaa equals stop, translation

Ser Asp Pro Leu Ala Ser Ala Ser Gln Asn Ala Gly Ile Val Ser Val  
1 5 10 15

Gly Leu Cys Thr Arg Pro Gly Pro Gln Phe Lys Asn Ala Gln Pro Pro  
20 25 30

Phe Pro Xaa Gln Lys Ala Pro Arg Cys Leu Trp Glu Asn Gln Pro Pro  
35 40 45

Pro Trp Arg Lys Ala Trp Asp Leu Pro Ser His Leu Gly Arg Arg Gly  
50 55 60

Ile Cys Gly Lys Ser Phe Xaa  
65 70

<213> Homo sapiens

Met Ala Asp Leu Leu Gly Ser Ile Leu Ser Ser Met Glu Lys Pro Pro  
1 5 10 15

Ser Leu Gly Asp Gln Glu Thr Arg Arg Lys Ala Arg Glu Gln Ala Ala  
20 25 30

Arg. Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val Glu Phe  
35 40 45

Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp Ser Gly  
50 55 60

Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg Ser Ile  
65 70 75 80

Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser Phe Gly  
85 90 95

Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu Phe Ala  
100 105 110

Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp  
115 120 125

Pro Gln Lys Ala Glu Glu Lys Arg Lys Leu Lys Glu Leu Ala Gln Arg  
130 135 140

Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala  
145 150 155 160

Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala  
                           165                          170                          175

Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Val  
                           180                          185                          190

Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn  
                           195                          200                          205

Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu Glu Leu Pro  
                           210                          215                          220

Pro Thr Ser  
 225

<210> 357

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

10004850-120701

<222> (90)

<223> Xaa equals stop translation

<400> 357

Met Trp Asp Trp Asp Trp Ser Ala Pro Trp Ser Trp Pro Leu Trp Leu  
1 5 10 15

Ser Leu Ala Leu Val Cys Leu Ser Ala Gly Ala Lys Gly His Arg Ala  
20 25 30

Ser Glu Ala Gly His Ala Arg Ala Leu Thr Cys Glu Met Gly Ser Glu  
35 40 45

Phe Xaa Thr Ala Xaa Gly Leu Val Leu Gly Xaa Xaa Xaa Trp Thr Xaa  
50 55 60

Xaa Asn Gly Ser Ala Gly Pro Glu Arg Arg Gly Trp Arg Pro Ala Ala  
65 70 75 80

Phe Leu Ala Val Phe Leu Leu Gly Asp Xaa  
85 90

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Met Phe Gly Pro Thr Phe His Ser Leu Val Leu Val Pro Pro Trp Pro  
1 5 10 15

Asn Leu Ser Leu Leu His Phe Thr Ser Pro Val Gly Gln His Ser Ser  
20 25 30

Phe Leu Pro Thr Ser Leu Arg Leu Xaa Lys Lys Lys Lys Lys Lys Lys  
35 40 45

<210> 359

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 359

TOGETHER

Met Cys Ser Lys Asn Gly Phe Leu Leu Ala Trp Ser Trp Asn Ser Pro  
1 5 10 15

Trp Leu Pro Gln Ala Ser Leu Ala His Gly Cys Trp Gly Arg Trp Met  
20 25 30

Ser Asp Leu Val Gly Cys Ser Arg Glu Asn Lys Cys Ala Leu Arg Asp  
35 40 45

His Ser Glu Arg Val Gln Gly Xaa  
50 55

<210> 360

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals stop translation

<400> 360

Ser Pro Leu Xaa Phe Cys Val Val Leu Leu Leu Gln Ala Ala Arg Gly  
1 5 10 15

Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp Asp Asp Pro Pro  
20 25 30

Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro Gly Ile Glu Lys  
35 40 45

Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu Met Ala Asn Lys  
50 55 60

Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met Lys Lys Ile Val  
65 70 75 80

Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg Ile Ile Ala Leu  
85 90 95

Ser Val Lys Ile Arg Ser Tyr Glu Glu His Leu Glu Lys His Arg Lys  
100 105 110

Asp Lys Ala His Lys Arg Tyr Leu Leu Met Ser Ile Asp Gln Arg Lys  
115 120 125

Lys Met Leu Lys Asn Leu Arg Asn Thr Asn Tyr Asp Val Phe Glu Lys  
130 135 140

Ile Cys Trp Gly Leu Gly Ile Glu Tyr Thr Phe Pro Pro Leu Tyr Tyr  
145 150 155 160

10004860-120701

Arg Arg Ala His Arg Arg Phe Val Thr Lys Lys Ala Leu Cys Ile Arg  
 165 170 175

Val Phe Gln Glu Thr Gln Lys Leu Lys Lys Arg Arg Arg Ala Leu Lys  
 180 185 190

Ala Ala Ala Ala Ala Gln Lys Gln Ala Lys Arg Arg Asn Pro Asp Ser  
 195 200 205

Pro Ala Lys Ala Ile Pro Lys Thr Leu Lys Asp Ser Gln Xaa  
 210 215 220

<210> 361

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 361

Met Gly Ala Pro Ala Ala Ser Leu Leu Leu Leu Leu Leu Phe Ala  
 1 5 10 15

Cys Cys Trp Ala Pro Gly Gly Ala Asn Leu Ser Gln Asp Asp Ser Gln  
 20 25 30

Pro Trp Thr Ser Asp Glu Thr Val Val Ala Gly Gly Thr Val Val Leu  
 35 40 45

Lys Cys Gln Val Lys Asp His Glu Asp Ser Ser Leu Gln Trp Ser Xaa  
 50 55 60

<210> 362

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals stop translation

<400> 362

Met Val Ala Pro Val Trp Tyr Leu Val Ala Ala Ala Leu Leu Val Gly  
1 5 10 15

Phe Ile Leu Phe Leu Thr Arg Ser Arg Gly Arg Ala Ala Ser Ala Gly  
20 25 30

Gln Glu Pro Leu His Asn Glu Glu Leu Ala Gly Ala Gly Arg Val Ala  
35 40 45

Gln Pro Gly Pro Leu Glu Pro Glu Glu Pro Arg Ala Gly Gly Arg Pro  
50 55 60

Arg Arg Arg Arg Asp Leu Gly Ser Arg Leu Gln Ala Gln Arg Arg Ala  
65 70 75 80

Gln Arg Val Ala Trp Ala Glu Ala Asp Glu Asn Glu Glu Glu Ala Val  
85 90 95

Ile Leu Ala Gln Glu Glu Glu Gly Val Glu Lys Pro Ala Glu Xaa His  
100 105 110

Leu Ser Gly Lys Ile Gly Ala Lys Lys Leu Arg Xaa Xaa Glu Glu Lys  
115 120 125

Gln Ala Arg Lys Ala Gln Xaa Glu Ala Glu Glu Ala Glu Arg Glu Xaa  
130 135 140

Arg Lys Arg Leu Glu Ser Gln Arg Glu Xaa  
145 150

<210> 363

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

10004860-160701



<222> (7)

Glu Lys Lys Ser Met Ser Val Ser Asp Ile Tyr Ala Leu Glu Ser Leu  
1 5 10 15

Gly Arg Ser Leu Phe Thr Leu Asn Ser Met Cys Leu Pro Leu Ser Phe  
                   20                                  25                                  30

Xaa

<210> 369

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369

Met Gly Gly Ala Ser Arg Arg Val Glu Ser Gly Ala Trp Ala Tyr Leu  
       1                                  5                                  10                                  15

Ser Pro Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Val Glu Asn Glu  
                   20                                  25                                  30

Gly Ser Glu Val Leu Ala Leu Pro Glu Leu Pro Ser Ala His Pro Ile  
                   35                                  40                                  45

Ile Phe Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser  
       50                                  55                                  60

Ile Leu Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser  
       65                                  70                                  75                                  80

Gln Ala Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val  
                   85                                  90                                  95

Arg Leu Leu Trp Asp Val Leu Thr Pro Asp Pro Asn Ser Cys Pro Pro  
                   100                                  105                                  110

Leu Tyr Val Leu Trp Arg Val His Ser Gln Ile Pro Gln Arg Val Val  
       115                                  120                                  125

Trp Pro Gly Pro Val Pro Ala Ser Leu Ser Leu Ala Leu Leu Glu Ser  
       130                                  135                                  140

Val Leu Arg His Val Gly Leu Asn Glu Val His Lys Ala Val Gly Leu  
       145                                  150                                  155                                  160

Leu Leu Glu Thr Leu Gly Pro Pro Pro Thr Gly Leu His Leu Gln Arg  
                   165                                  170                                  175

Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu Gly Lys  
                   180                                  185                                  190

Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser Ala Phe  
       195                                  200                                  205

Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His Arg Arg

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210

215

220

Ala Gln Met Pro Thr Pro Lys Ala Ile Asp Cys Arg Lys Cys Phe Gly  
 225 230 235 240

Ala Pro Pro Glu Cys  
 245

&lt;210&gt; 370

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 370

Met Lys Phe Ser Leu Leu Phe Leu Pro Met Leu Leu Ile Leu Lys Pro  
 1 5 10 15

Asp Leu Phe His Ile Ser Ile Cys Thr Leu Ala Ala Cys Gly Leu Thr  
 20 25 30

Phe Pro Xaa  
 35

&lt;210&gt; 371

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 371

Met Leu Phe Phe Phe Ile Leu His Leu Leu Ser Ile Met Ser Phe Leu  
 1 5 10 15

Ser Pro Asp Ile Met Xaa  
 20

&lt;210&gt; 372

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

J0004860-120701

&lt;400&gt; 372

Met Phe Gly Leu Leu Val Glu Ser Gln Thr Leu Leu Glu Glu Asn Ala  
 1 5 10 15

Val Gln Gly Thr Glu Arg Thr Leu Gly Leu Asn Ile Ala Pro Phe Ile  
 20 25 30

Asn Gln Phe Gln Val Pro Ile Arg Val Phe Leu Asp Leu Ser Ser Leu  
 35 40 45

Pro Cys Ile Pro Leu Ser Lys Pro Val Glu Leu Leu Arg Leu Asp Leu  
 50 55 60

Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val  
 65 70 75 80

Cys Xaa Ile Trp Glu Asp Leu Thr Ala Ile Pro Phe Trp Val Ser Tyr  
 85 90 95

Val Pro

&lt;210&gt; 373

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 373

Met Phe Gly Ala His Arg Xaa Trp Gln Gly Ser Val Leu Leu Phe Leu  
 1 5 10 15

Ser Phe Ala Trp Gly Asn Gly Gly Ser Val Thr Phe Ser Asp Val Pro  
 20 25 30

Arg Val Met Pro Leu Ala Gly Gly Pro Xaa Xaa Gln Val Ser Ser Thr  
 35 40 45

Pro Arg Pro Pro Pro His Gln Val Thr Ser Ser Pro Gly Leu Glu Ser  
 50 55 60

Ala His Ile Val Cys Pro Glu Arg Lys Lys Lys Lys Lys Lys  
 65 70 75

10004560-120701

<210> 374  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals stop translation

<400> 374  
 Thr Leu Leu Xaa Phe Leu Xaa Leu Leu Thr Thr Glu Gly Gly Arg Glu  
   1                  5                  10                  15  
 Asn Ile Phe Xaa Gly Arg Ile Leu Xaa Leu Gln Xaa Ser Pro Xaa  
           20                  25                  30

<210> 375  
 <211> 57  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (57)

10004850.120701

<400> 375

Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Pro Thr Gly Ser Ala Xaa  
 ~ 20 25 30

His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp  
35 40 45

Gln Arg Lys Arg Trp Ser Glu Ala Xaa  
50 55

<210> 376

<211> 63

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> SITE

<22.2> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

$\langle 400 \rangle$  376

Met Cys His His Ala Trp Leu Ile Phe Lys Phe Phe Val Xaa Met Gly  
1 5 10 15

Ser His Tyr Val Ala Gln Ala Gly Phe Arg Phe Leu Cys Ser Arg Asp  
20 25 30

Ser Ala Asn Leu Ala Pro Gln Ser Ala Gly Ile Thr Asn Val Ser His  
35 40 45

Cys Ile Trp Pro Ile Phe Phe Phe Lys Lys Lys Met Gln Arg Cys  
50 55 60

<210> 377

<211> 38

<212> PRT

<213> Homo sapiens

<400> 377

.Met Thr Met Val Leu Cys Ile Phe Ile Leu Gly His His Ala Arg Glu  
1 5 10 15

Asp Pro Pro Ser Asn Gly His Ile Thr Ser Glu Gly Ala Phe Leu Val  
20 25 30

Asn Val Gly Ala Pro Gln  
35

<210> 378

<211> 98

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 378  
 Met Leu Arg Leu Glu Ala Arg Ala Thr Thr Pro Gly Leu Gln Thr His  
           1                  5                  10                  15

Ser Cys Leu Gly Phe Tyr Ile Lys Tyr Glu His Lys Asn Thr Phe Pro  
                   20                  25                  30

Lys Tyr Ser Leu Trp Leu Cys Leu Thr Leu Gly Thr Xaa Pro Ser Thr  
                   35                  40                  45

Ser Ser Ile Leu Arg Tyr Val Arg Gly Val Tyr Arg Gly Leu Glu Tyr  
           50                  55                  60

Ile Arg Phe Phe Ser Asn Ser Ser Ser Ser Arg Arg Arg Leu Thr Thr  
           65                  70                  75                  80

Ser Leu Gly Phe Lys Val Ser Gly Leu Lys Phe Pro Pro Glu Ile Thr  
                   85                  90                  95

Ile Arg

<210> 379  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals stop translation

<400> 379  
 Thr Leu Thr Ser Phe Leu Glu Leu Pro Leu Ala Pro Glu Pro Xaa  
           1                  5                  10                  15

<210> 380  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals stop translation

<400> 380  
 Met His Arg Tyr Ile Thr Phe Phe Lys Cys Phe Arg Ser Val Ile Leu

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1                      5                      10                      15  
 Asp Leu Leu Phe Ile Leu Ser Pro Leu Ser Gln Gly Cys Phe Ile Leu  
                     20                      25                      30

Phe Xaa

<210> 381  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 381  
 Met Phe Gly Phe Ile Phe Leu Leu Leu Ile Phe Cys Ile Xaa Leu Cys  
                     1                      5                      10                      15

Ser Arg Thr Leu Ser Thr Phe Ile Pro Lys Leu Val Gly Phe Leu Tyr  
                     20                      25                      30

Trp Lys Phe Ser Ile Asn Leu Ser Leu Leu Leu Thr Leu Ile Lys Lys  
                     35                      40                      45

Lys Lys Lys Lys Lys Lys Thr Pro Arg Gly Gly Pro Gly Xaa Gln Ser  
                     50                      55                      60

Pro Pro  
 65

<210> 382  
 <211> 317  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (207)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 382  
 Met Pro Gly Leu Gly Arg Pro Arg Gln Ala Arg Trp Thr Leu Met Leu  
                     1                      5                      10                      15

Leu Leu Ser Thr Ala Met Tyr Gly Ala His Ala Pro Leu Leu Ala Leu  
                     20                      25                      30

10004560-120701

Cys His Val Asp Gly Arg Val Pro Phe Arg Pro Ser Ser Ala Val Leu  
 35 40 45  
 Leu Thr Glu Leu Thr Lys Leu Leu Leu Cys Ala Phe Ser Leu Leu Val  
 50 55 60  
 Gly Trp Gln Ala Trp Pro Gln Gly Pro Pro Pro Trp Arg Gln Ala Ala  
 65 70 75 80  
 Pro Phe Ala Leu Ser Ala Leu Leu Tyr Gly Ala Asn Asn Asn Leu Val  
 85 90 95  
 Ile Tyr Leu Gln Arg Tyr Met Asp Pro Ser Thr Tyr Gln Val Leu Ser  
 100 105 110  
 Asn Leu Lys Ile Gly Ser Thr Ala Val Leu Tyr Cys Leu Cys Leu Arg  
 115 120 125  
 His Arg Leu Ser Val Arg Gln Gly Leu Ala Leu Leu Leu Met Ala  
 130 135 140  
 Ala Gly Ala Cys Tyr Ala Ala Gly Gly Leu Gln Val Pro Gly Asn Thr  
 145 150 155 160  
 Leu Pro Ser Pro Pro Pro Ala Ala Ala Ala Ser Pro Met Pro Leu His  
 165 170 175  
 Ile Thr Pro Leu Gly Leu Leu Leu Leu Ile Leu Tyr Cys Leu Ile Ser  
 180 185 190  
 Gly Leu Ser Ser Val Tyr Thr Glu Leu Leu Met Lys Arg Gln Xaa Leu  
 195 200 205  
 Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr Thr Phe Gly Val Leu Leu  
 210 215 220  
 Asn Leu Gly Leu His Ala Gly Gly Gly Ser Gly Pro Gly Leu Leu Glu  
 225 230 235 240  
 Gly Phe Ser Gly Trp Ala Ala Leu Val Val Leu Ser Gln Ala Leu Asn  
 245 250 255  
 Gly Leu Leu Met Ser Ala Val Met Lys His Gly Ser Ser Ile Thr Arg  
 260 265 270  
 Leu Phe Val Val Ser Cys Ser Leu Val Val Asn Ala Val Leu Ser Ala  
 275 280 285  
 Val Leu Leu Arg Leu Gln Leu Thr Ala Ala Phe Phe Leu Ala Thr Leu  
 290 295 300  
 Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr Gly Ser Arg  
 305 310 315

&lt;210&gt; 383

&lt;211&gt; 31

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 383

Met Gly Glu Gln Pro His Phe Ser Leu Cys Val Leu Leu Ala Ala Val  
1 5 10 15

Arg Glu Asp Xaa Asp Pro Xaa Val Phe Pro Cys Cys Phe Leu Xaa  
20 25 30

<210> 384

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 384

Met Ser Phe Ile Ala Leu His Pro Leu Leu Pro Glu Ala Ala Leu Gly  
1 5 10 15

Val Pro Gly Gln Ser Pro His Arg Pro Leu Trp Gln Thr Gln Cys Cys  
20 25 30

Val Ala Pro Pro Gln Pro Arg Ala Glu Phe Xaa  
35 40

<210> 385

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (255)

<223> Xaa equals stop translation

<400> 385

Met Val Thr Ala Leu Thr Leu Leu Ala Phe Pro Leu Leu Leu His

10004360-120701

1	5	10	15
Ala Glu Arg Ile Ser Leu Val Phe Leu Leu Leu Phe Leu Gln Ser Phe	20	25	30
Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr Pro Gly	35	40	45
Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu Met Ala	50	55	60
Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro Ala Ile	65	70	75
His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly Ser Cys	85	90	95
Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala Ser His	100	105	110
Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro Phe Leu	115	120	125
Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly Asn Glu	130	135	140
Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu Met Glu	145	150	155
Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu Leu Gln	165	170	175
Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu Ala Cys	180	185	190
Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp Lys Val	195	200	205
Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val Ser Ser	210	215	220
Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp Gly Ala	225	230	235
Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg Xaa	245	250	255

&lt;210&gt; 386

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

10004560-120701

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals stop translation

<400> 386  
 Met Xaa Gly Pro Trp Gly Glu Glu Ala Leu Ile Arg Leu Pro Thr Pro  
           1                  5                  10                  15  
 Ser Gly Leu Xaa  
                   20

<210> 387  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals stop translation

<400> 387  
 Met Ala Thr Leu Glu Xaa Asn Gln Arg Glu Val Asp Arg Glu Ile Arg  
           1                  5                  10                  15  
 Ser Leu Leu Leu Trp Phe Leu Leu Cys Glu Ile Val Ser Gly Trp Leu  
                   20                  25                  30  
 Cys Pro Glu Gly Pro Trp Phe Ser Gln Gly Cys Gln Ile Tyr Lys Asn  
           35                  40                  45  
 Leu Ser Ser Ser Ser Ser Tyr Asn Leu Ser Phe Leu Leu Ser Leu Xaa  
           50                  55                  60

<210> 388  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals stop translation

<400> 388  
 Met Ile His Ser Gly Cys Thr Ser Gln Cys Leu Glu Gly Phe Phe Leu  
           1                  5                  10                  15

10004360-12001

Ile Met Arg Lys Ala Ser His Xaa  
35 40

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 389

Met Val Phe Ser Ala Arg Val Ser Leu Tyr Thr Arg Phe Lys Val Ile  
1 5 10 15

Leu Leu Ser Leu Leu Ile Met Ile Leu His Val Cys Trp Val Trp Val  
20 25 30

Ile Leu Xaa  
35

<210> 390

<211> 11

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> SITE

 $\langle 222 \rangle \quad (11)$ 

<223> Xaa equals stop translation

<400> 390

Gly Leu Leu Tyr Ile Met Tyr Cys Asn Ile Xaa  
1 5 10

<210> 391

<211> 64

<212> PRT

<213>. Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 391

Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro  
1 5 10 15

Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser  
 20 25 30

Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys  
 35 40 45

Ser Gly Gly Arg Asp His Thr Gly Gly Asn Lys Asp Arg Gly Ile Xaa  
 50 55 60

<210> 392

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals stop translation

<400> 392

Met Arg Lys Gln Arg Leu Val Pro Met Tyr Leu Gly Leu Ile Tyr Ile  
 1 5 10 15

Leu Leu Xaa

<210> 393

<211> 43

<212> PRT

<213> Homo sapiens

<400> 393

Met Glu Ile Ser Val Ile Lys Ile Phe Gln Asp Glu Thr Thr Leu Lys  
 1 5 10 15

Ile Lys Leu Cys Leu Val Ser Leu Ser Ser Leu Leu Val Ser Leu Leu  
 20 25 30

Leu Leu Ile Leu Pro Glu Ser Thr Ser Leu Trp  
 35 40

<210> 394

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 394

30004560-120701

Leu Leu Leu Pro Val Leu Ala Ser Ser Val Pro Ser His Ser Ala Thr  
 1 5 10 15

Xaa

<210> 395

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals stop translation

<400> 395

Met Leu Pro Leu Leu Leu Phe Thr Tyr Leu Asn Ser Phe Leu His Gln  
 1 5 10 15

Arg Ile Pro Gln Ser Val Arg Ile Leu Gly Ser Leu Val Ala Ile Leu  
 20 25 30

Leu Val Phe Leu Ile Thr Ala Ile Leu Val Lys Val Gln Leu Asp Ala  
 35 40 45

Leu Pro Phe Phe Val Ile Thr Met Ile Lys Ile Val Leu Ile Asn Ser  
 50 55 60

Phe Gly Ala Ile Leu Gln Gly Ser Leu Phe Gly Leu Ala Gly Leu Leu  
 65 70 75 80

Pro Ala Ser Xaa

<210> 396

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 396

Met Lys Leu Ser Leu Phe Leu Ile Leu Ser Asp Val Phe Tyr Leu Gly  
 1 5 10 15

Ser Pro Xaa Thr Xaa  
 20

10004560.120701



<210> 397  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals stop translation

<400> 397  
 Met Gly Thr Arg Arg Lys Gly Val Ala Trp Leu Ser Leu Ala Pro Leu  
 1 5 10 15

Ile Thr Gly Leu Ala Pro Ala His Ile Thr Ala Val Xaa  
 20 25

<210> 398  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals stop translation

<400> 398  
 Met Lys Asp Leu Leu Gln Arg Asn Pro Trp Lys Asn Ser Leu Leu Leu  
 1 5 10 15

Leu Gln Val Cys Gln Ala Phe Leu Val Cys Ser Leu Thr Gln Leu Ala  
 20 25 30

Val Xaa

<210> 399  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals stop translation

<400> 399  
 Met Ser Glu Ser His Lys Ile Trp Trp Cys Tyr Arg His Leu Ala Phe  
 1 5 10 15

Pro Leu Leu Thr Leu Ile Leu Tyr Pro Ala Thr Leu Gly Arg Ser Val  
 20 25 30

10004860-120701

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<210> 400
<211> 25
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (25)
<223> Xaa equals stop translation
```

<400> 400  
Met Leu Asn Arg Ile Met Val Ala Ser Phe Gly Ala Val Leu Val Gln  
1 5 10 15

Val Cys Arg Gly Xaa Gly Gln Gly Xaa  
20 25

```
<210> 401
<211> 68
<212> PRT
<213> Homo sapiens
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```
<220>
<221> SITE
<222> (68)
<223> Xaa equals stop translation
```

<400> 401  
Met Gln Leu Leu Leu Gly Leu Ile Arg Ser Gln Pro Ser Pro Pro  
1 5 10 15

Pro Ser Leu Cys Leu Met Leu Cys Pro Cys Leu Pro Cys Leu Arg Tyr  
20 25 30

Ser Pro Phe Val Pro Gln His Pro Cys Pro Leu Pro Leu Asp Leu Cys  
35 40 45

Leu Ala Gly Cys Ser Ser Leu Ser Val Gln Asp Lys Cys Ser Trp Pro  
50 55 60

Tyr Pro Ile Xaa  
65

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<210> 402
<211> 85
<212> PRT
<213> Homo sapiens
```

&lt;400&gt; 402

Met Lys Asp Ser Leu Cys Arg Val Ser Phe Leu Lys Asn Gln Ile Phe  
 1 5 10 15

Leu Ser Tyr Ile Thr Leu Val Leu Ile Gly His Ala His Phe Ser Gly  
 20 25 30

Val Pro His Tyr Asn Val Ser Phe Val Leu Arg Ile Asn Leu Gln Lys  
 35 40 45

His Leu Lys Ile Thr Thr Ser Asn Gly Ile Glu Ser Lys Lys Thr Gly  
 50 55 60

Glu Arg Gly Glu Thr Met Phe Phe Arg Thr Arg Gly Ser Thr His Ala  
 65 70 75 80

Ser Ala Asp Ala Trp  
 85

&lt;210&gt; 403

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 403

Met Gly Gly Ser Leu Leu Pro Gln Val Ser Ala Ala Val Leu Xaa Leu  
 1 5 10 15

Asp Gly Leu Leu Leu Pro Gly Leu Lys Gly Cys Gly Pro Leu Arg Val  
 20 25 30

Ser Phe Pro Gln Ala Lys Phe Lys Ala Ala Ala Leu Cys Glu Ala Leu  
 35 40 45

Leu Ala Leu Gly Trp Arg Glu Asn Phe Lys Leu Phe Cys Ser Gln Gly  
 50 55 60

Arg Gly Met Gly Pro Gly Cys Arg Cys Pro His Ser Ala Asn Glu Ser  
 65 70 75 80

Phe Val

&lt;210&gt; 404

&lt;211&gt; 286

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 404

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala

10004360.120701

1	5	10	15
Leu Leu Val	Gly Phe Leu Ser Val	Ile Phe Ala Leu Val	Trp Val Leu
	20	25	30
His Tyr Arg	Glu Gly Leu Gly Trp Asp	Gly Ser Ala Leu Glu Phe	Asn
	35	40	45
Trp His Pro	Val Leu Met Val Thr Gly	Phe Val Phe Ile Gln Gly	Ile
	50	55	60
Ala Ile Ile	Val Tyr Arg Leu Pro Trp	Thr Trp Lys Cys Ser Lys	Leu
	65	70	80
Leu Met Lys	Ser Ile His Ala Gly Leu Asn	Ala Val Ala Ala Ile	Leu
	85	90	95
Ala Ile Ile	Ser Val Val Ala Val Phe	Glu Asn His Asn Val Asn	Asn
	100	105	110
Ile Ala Asn	Met Tyr Ser Leu His Ser	Trp Val Gly Leu Ile Ala	Val
	115	120	125
Ile Cys Tyr	Leu Leu Gln Leu Leu Ser	Gly Phe Ser Val Phe Leu	Leu
	130	135	140
Pro Trp Ala	Pro Leu Ser Leu Arg Ala	Phe Leu Met Pro Ile His	Val
	145	150	160
Tyr Ser Gly	Ile Val Ile Phe Gly Thr	Val Ile Ala Thr Ala Leu	Met
	165	170	175
Gly Leu Thr	Glu Lys Leu Ile Phe Ser	Leu Arg Asp Pro Ala Tyr	Ser
	180	185	190
Thr Phe Pro	Pro Glu Gly Val Phe Val	Asn Thr Leu Gly Leu Leu	Ile
	195	200	205
Leu Val Phe	Gly Ala Leu Ile Phe Trp	Ile Val Thr Arg Pro Gln	Trp
	210	215	220
Lys Arg Pro	Lys Glu Pro Asn Ser Thr	Ile Leu His Pro Asn Gly	Gly
	225	230	240
Thr Glu Gln	Gly Ala Arg Gly Ser Met	Pro Ala Tyr Ser Gly Asn	Asn
	245	250	255
Met Asp Lys	Ser Asp Ser Glu Leu Asn	Ser Glu Val Ala Ala Arg	Lys
	260	265	270
Arg Asn Leu	Ala Leu Asp Glu Ala Gly	Gln Arg Ser Thr Met	
	275	280	285

210&gt; 405

211&gt; 154

212&gt; PRT

213&gt; Homo sapiens

1000466-120701

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (72)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (103)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (110)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (121)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (123)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (126)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (134)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (154)  
 <223> Xaa equals stop translation

<400> 405  
 Met Thr Lys Ala Arg Leu Phe Arg Leu Trp Leu Val Leu Gly Ser Val  
     1                    5                    10                    15

Phe Met Ile Leu Leu Ile Ile Val Tyr Trp Asp Ser Ala Gly Ala Ala  
                     20                    25                    30

10004360-120701

His Phe Tyr Leu His Thr Ser Phe Ser Arg Pro His Thr Gly Pro Pro  
35 40 45

Leu Pro Thr Pro Gly Pro Asp Arg Asp Arg Glu Leu Thr Ala Asp Ser  
50 55 60

Asp Val Asp Xaa Phe Leu Asp Xaa Phe Leu Ser Ala Gly Val Lys Gln  
65 70 75 80

Ser Asp Xaa Pro Arg Lys Glu Thr Glu Gln Pro Pro Ala Pro Gly Ser  
85 90 95

Met Glu Glu Ser Val Arg Xaa Tyr Asp Trp Ser Pro Arg Xaa Ala Arg  
100 105 110

Arg Thr Gln Thr Arg Ala Gly Ser Xaa Arg Xaa Gly Gly Xaa Cys Cys  
115 120 125

Gly Ala Ser Ala Pro Xaa Pro Ala Trp Pro Ser Pro Pro Arg Ser Ala  
130 135 140

His Ser Thr Thr Ser Pro Thr Arg Ser Xaa  
145 150

<210> 406

<211> 37

<212> PRT

<213> Homo sapiens

<400> 406

Met Leu Leu Leu Ile Val Leu Val Ala Asn Ile Leu Ser Met Ser Asn  
1 5 10 15

Met Ser Asn Ala Val Val Ser Asp Leu His Ile Leu Val His Leu Ile  
20 25 30

Ser His Lys Ala Asn  
35

<210> 407

<211> 60

<212> PRT

<213> Homo sapiens

<400> 407

Met Cys Ile His Val Phe Met Ser Val Leu Trp Val Leu Phe Leu Leu  
1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Val Asn Cys Phe Ser Val  
20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu  
35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp  
50 55 60

10004360-120101

<210> 408  
 <211> 447  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (447)  
 <223> Xaa equals stop translation

<400> 408  
 Met Leu Leu Gly Leu Leu Met Ala Ala Cys Phe Thr Phe Cys Leu Ser  
   1                  5                  10                  15  
 His Gln Asn Leu Lys Glu Phe Ala Leu Thr Asn Pro Glu Lys Ser Ser  
           20                  25                  30  
 Thr Lys Glu Thr Glu Arg Lys Glu Thr Lys Ala Glu Glu Glu Leu Asp  
           35                  40                  45  
 Ala Glu Val Leu Glu Val Phe His Pro Thr His Glu Trp Gln Ala Leu  
   50                  55                  60  
 Gln Pro Gly Gln Ala Val Pro Ala Gly Ser His Val Arg Leu Asn Leu  
   65                  70                  75                  80  
 Gln Thr Gly Glu Arg Glu Ala Lys Leu Gln Tyr Glu Asp Lys Phe Arg  
           85                  90                  95  
 Asn Asn Leu Lys Gly Lys Arg Leu Asp Ile Asn Thr Asn Thr Tyr Thr  
           100                  105                  110  
 Ser Gln Asp Leu Lys Ser Ala Leu Ala Lys Phe Lys Glu Gly Ala Glu  
   115                  120                  125  
 Met Glu Ser Ser Lys Glu Asp Lys Ala Arg Gln Ala Glu Val Lys Arg  
   130                  135                  140  
 Leu Phe Arg Pro Ile Glu Glu Leu Lys Lys Asp Phe Asp Glu Leu Asn  
   145                  150                  155                  160  
 Val Val Ile Glu Thr Asp Met Gln Ile Met Val Arg Leu Ile Asn Lys  
           165                  170                  175  
 Phe Asn Ser Ser Ser Ser Ser Leu Glu Glu Lys Ile Ala Ala Leu Phe  
           180                  185                  190  
 Asp Leu Glu Tyr Tyr Val His Gln Met Asp Asn Ala Gln Asp Leu Leu  
   195                  200                  205  
 Ser Phe Gly Gly Leu Gln Val Val Ile Asn Gly Leu Asn Ser Thr Glu  
   210                  215                  220  
 Pro Leu Val Lys Glu Tyr Ala Ala Phe Val Leu Gly Ala Ala Phe Ser  
   225                  230                  235                  240

1000460-120701

Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu Gln  
245 250 255

Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala Lys Lys  
260 265 270

Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe Pro Tyr Ala  
275 280 285

Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val Leu Arg Thr Leu  
290 295 300

Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val Arg Val Val Thr Leu  
305 310 315 320

Leu Tyr Asp Leu Val Thr Glu Lys Met Phe Ala Glu Glu Glu Ala Glu  
325 330 335

Leu Thr Gln Glu Met Ser Pro Glu Lys Leu Gln Gln Tyr Arg Gln Val  
340 345 350

His Leu Leu Pro Gly Leu Trp Glu Gln Gly Trp Cys Glu Ile Thr Ala  
355 360 365

His Leu Leu Ala Leu Pro Glu His Asp Ala Arg Glu Lys Val Leu Gln  
370 375 380

Thr Leu Gly Val Leu Leu Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp  
385 390 395 400

Pro Gln Leu Gly Arg Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val  
405 410 415

Leu Ala Ser Leu Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln  
420 425 430

Glu Leu Leu Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg Xaa  
435 440 445

<210> 409

<211> 64

<212> PRT

<213> Homo sapiens

<400> 409

Met Leu Tyr Ser Asp Leu Lys Leu Val Arg Cys His Asn Gly Pro Val  
1 5 10 15

His Val Ile Ser Val Tyr Thr Thr Pro Pro Asp Pro Ser Asn Pro Tyr  
20 25 30

Asn Thr Pro Pro Leu Phe Ala Ser Cys Met Val Ile Ser Tyr Val Thr  
35 40 45

Phe Thr Pro Val Ser Ala Asp Cys Phe Phe Asn Val Leu Val Cys Phe  
50 55 60

10004860.12001



<210> 410  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals stop translation

<400> 410  
 Glu Leu Leu Phe Leu Leu Ile Ile Ile Leu Gly Glu Ser Leu Ser Asp  
           1                  5                  10                  15

Val Ile Leu Leu Ile Cys Phe Xaa  
                   20

<210> 411  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals stop translation

<400> 411  
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly  
           1                  5                  10                  15

Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile  
                   20                  25                  30

Ala Ala Xaa  
           35

<210> 412  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 412  
 Met Gly Lys Val Gly Trp Leu Met Val Gly Gly Val Ala Pro Gly Ile  
           1                  5                  10                  15

Arg Gly Gly Trp Gly Trp Thr Leu Gly Ile Met Val Gly Gly Ala Ile  
                   20                  25                  30

Ala His Cys Cys Cys Cys Leu Ile Arg  
           35                  40

10004860.120701

<210> 413  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals stop translation

<400> 413  
 Met Lys Leu Ser Leu Leu Ile Leu Thr Leu Met Gln Arg Tyr Phe Arg  
           1                          5                          10                          15  
 Thr Ile Thr Asn Ser Leu Cys Lys Xaa  
                           20                          25

<210> 414  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (79)  
 <223> Xaa equals stop translation

<400> 414  
 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu Leu  
           1                          5                          10                          15  
 Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu Arg Arg  
                           20                          25                          30  
 Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala Leu Pro Gly  
                           35                          40                          45  
 Ala Gly Ile Pro Phe Trp Ser His His Gly Gly Glu Gly Gln Gly Trp  
           50                          55                          60  
 Gly Pro Leu Cys Pro Gly Ser Leu Lys Val Leu Glu Gly Leu Xaa  
           65                          70                          75

<210> 415  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE

10004850.120701

<223> Xaa equals any of the naturally occurring L-amino acids

Met His Tyr Leu Leu Lys Glu Cys Asp Ile Asp Thr Asp Ala Tyr Phe  
1 5 10 15

Phe Phe Phe Xaa Leu Leu Val Leu Phe Leu Pro Xaa Lys Tyr Ser Pro  
20 25 30

Pro Phe Tyr Ser Ile Val Leu Phe Arg Trp Asn Asp Ser Tyr Lys Ile  
35 40 45

Ser His Tyr  
50

<211> 257.

<213> Homo sapiens

<221> SITE

<223> Xaa equals any of the naturally occurring L-amino acids

Met Ala Ala Leu Thr Ser His Leu Gln Asn Gln Ser Asn Asn Ser Asn  
1 5 10 15

Trp Asn Leu Arg Thr Arg Ser Lys Cys Lys Lys Asp Val Phe Met Pro  
20 25 30

Pro Ser Ser Ser Ser Glu Leu Gln Glu Ser Arg Gly Leu Ser Asn Phe  
35 40 45

Thr Ser Thr His Leu Leu Leu Lys Glu Asp Glu Gly Val Asp Asp Val  
50 55 60

Asn Phe Arg Lys Val Arg Lys Pro Lys Gly Lys Val Thr Ile Leu Lys  
65 70 75 80

Gly Ile Pro Ile Lys Lys Thr Lys Lys Gly Cys Arg Lys Ser Cys Ser  
85 90 95

Gly Phe Val Xaa Ser Asp Ser Lys Arg Glu Ser Val Cys Asn Lys Ala  
100 105 110

Asp Ala Glu Ser Glu Pro Val Ala Gln Lys Ser Gln Leu Asp Arg Thr  
 115 120 125

Val Cys Ile Ser Asp Ala Gly Ala Cys Gly Glu Thr Leu Ser Val Thr  
130 135 140

Ser Glu Glu Asn Ser Leu Val Lys Lys Lys Glu Arg Ser Leu Ser Ser  
145 150 155 160

Gly Ser Asn Phe Cys Ser Glu Gln Lys Thr Ser Gly Ile Ile Asn Lys  
165 170 175

Phe Cys Ser Ala Lys Asp Ser Glu His Asn Glu Lys Tyr Glu Asp Thr  
180 185 190

Phe Leu Glu Ser Glu Glu Ile Gly Thr Lys Val Glu Val Val Glu Arg  
195 200 205

Lys Glu His Leu His Thr Asp Ile Leu Lys Arg Gly Ser Glu Met Asp  
210 215 220

Asn Asn Cys Ser Pro Thr Arg Lys Asp Phe Thr Glu Asp Thr Ile Pro  
225 230 235 240

Arg Asn Thr Asp Arg Lys Lys Glu Asn Lys Pro Val Phe Phe Gln Gln  
245 250 255

Ile

<210> 417

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 417

Met Glu Lys Gln Cys Cys Ser His Pro Val Ile Cys Ser Leu Ser Thr  
1 5 10 15

Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser  
20 25 30

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp  
35 40 45

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val  
50 55 60

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser  
65 70 75 80

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys  
85 90 95

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe  
100 105 110

10004960-120701

Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn  
 115 120 125  
 Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa  
 130 135 140  
 Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser  
 145 150 155 160  
 Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala  
 165 170 175  
 Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys  
 180 185 190  
 Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys  
 195 200 205  
 Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe  
 210 215 220  
 Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys  
 225 230 235 240  
 Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu  
 245 250 255  
 Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr  
 260 265 270  
 Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser  
 275 280 285  
 Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser Ala  
 290 295 300  
 Phe Ser Val Ala Leu Ile Phe Val Thr Ala Phe Gln Gly Leu Ser Val  
 305 310 315 320  
 Ala Phe Ile Leu Lys Phe Leu Asp Asn Met Phe His Val Leu Met Ala  
 325 330 335  
 Gln Val Thr Thr Val Ile Ile Thr Thr Val Ser Val Leu Val Phe Asp  
 340 345 350  
 Phe Arg Pro Ser Leu Glu Phe Phe Leu Glu Ala Pro Ser Val Leu Leu  
 355 360 365  
 Ser Ile Phe Ile Tyr Asn Ala Ser Lys Pro Gln Val Pro Glu Tyr Ala  
 370 375 380  
 Pro Arg Gln Glu Arg Ile Arg Asp Leu Ser Gly Asn Leu Trp Glu Arg  
 385 390 395 400  
 Ser Ser Gly Asp Gly Glu Glu Leu Glu Arg Leu Thr Lys Pro Lys Ser  
 405 410 415

10004860-120701

Asp Glu Ser Asp Glu Asp Thr Phe  
420

<210> 418  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals stop translation

<400> 418  
Met Trp Gly Gln Gly Ser Gln Lys Ser His Phe Ser Asp Leu Val Phe  
1 5 10 15  
Gly Val Arg Glu Leu Cys Ala Gln Pro Ser Asp Pro Gly Ser Pro His  
20 25 30

Xaa

<210> 419  
<211> 80  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals stop translation

<400> 419  
Met Val Gln His Ile Gln Pro Ala Ala Leu Ser Leu Leu Ala Gln Trp  
1 5 10 15  
Ser Thr Leu Val Gln Glu Leu Glu Ala Ala Leu Gln Leu Ala Phe Tyr  
20 25 30  
Pro Asp Ala Val Glu Glu Trp Leu Glu Glu Asn Val His Pro Ser Leu  
35 40 45  
Gln Arg Leu Gln Xaa Leu Leu Gln Asp Leu Ser Glu Val Ser Ala Pro  
50 55 60  
Pro Leu Pro Pro Thr Ser Pro Gly Arg Asp Val Ala Gln Asp Pro Xaa  
65 70 75 80

10004360-120701

<210> 420  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (82)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (95)  
 <223> Xaa equals stop translation

<400> 420  
 Met Leu Asn Gln Gly Tyr Ile Arg Lys Ile Ile Leu Ile Ile Ile Leu  
   1                  5                  10                  15  
 Gly Ser Phe Ser Ser Pro Lys Lys Ala Ile Leu Met Gly Phe Gln Asn  
                   20                  25                  30  
 Gln Lys Lys Ala Leu Asn Glu Glu Gln Thr Thr Gly Val Pro Met Ser  
           35                  40                  45  
 Ile Ser Gly Lys Leu Arg Pro Ser Arg Ser Leu Asp Phe Val Gln Pro  
   50                  55                  60  
 Pro Arg Phe Gln Ser Gln Gln Pro Ser Ala Val Val Asp Arg Arg Gly  
   65                  70                  75                  80  
 Phe Xaa Xaa Lys Ala Ala Arg Gly Gln Glu Phe Ser Glu Ser Xaa  
                   85                  90                  95

<210> 421  
 <211> 257  
 <212> PRT  
 <213> Homo sapiens

<400> 421  
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln  
   1                  5                  10                  15  
 Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val  
           20                  25                  30  
 Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro  
   35                  40                  45  
 Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr

10004660-120701

50                      55                      60  
 His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu  
 65                      70                      75                      80  
 Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro  
                     85                      90                      95  
 His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu  
                     100                      105                      110  
 Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro  
                     115                      120                      125  
 Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp  
                     130                      135                      140  
 Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Asp Thr  
 145                      150                      155                      160  
 Leu Glu Glu Asn Arg Gly Tyr Met Glu Ile Glu Gln Ser Val Lys Ser  
                     165                      170                      175  
 Phe Lys Met Pro Ser Ser Asn Ile Glu Glu Glu Asp Ser His Phe Phe  
                     180                      185                      190  
 Phe His Leu Ile Ile Phe Ala Phe Cys Ile Ala Val Val Tyr Ile Thr  
                     195                      200                      205  
 Tyr His Asn Lys Arg Lys Ile Phe Leu Leu Val Gln Ser Arg Lys Trp  
                     210                      215                      220  
 Arg Asp Gly Leu Cys Ser Lys Thr Val Glu Tyr His Arg Leu Asp Gln  
 225                      230                      235                      240  
 Asn Val Asn Glu Ala Met Pro Ser Leu Lys Ile Thr Asn Asp Tyr Ile  
                     245                      250                      255  
 Phe

<210> 422  
 <211> 704  
 <212> PRT  
 <213> Homo sapiens

<400> 422  
 Met Trp Tyr Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro  
 1                      5                      10                      15  
 Thr Val Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe  
                     20                      25                      30  
 Leu Ala Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn  
                     35                      40                      45  
 Pro Tyr Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile

10004860-120701



50

55

60

Lys Lys Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly  
 65 70 75 80  
 Gly Asp Glu Val Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu  
 85 90 95  
 Thr Asp Glu Glu Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp  
 100 105 110  
 Gly Pro Gln Ala Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val  
 115 120 125  
 Asp Gln Lys Asn Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe  
 130 135 140  
 Met Val Ile Leu Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile  
 145 150 155 160  
 Arg Tyr Ser Gly Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr  
 165 170 175  
 Tyr Phe Val Tyr Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met  
 180 185 190  
 Val Leu Ala Gly Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala  
 195 200 205  
 Thr Ser Arg Pro Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu  
 210 215 220  
 Ile Gly Ser Ile Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro  
 225 230 235 240  
 Tyr Ser Leu Lys Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met  
 245 250 255  
 Lys Ile Pro Glu Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys  
 260 265 270  
 Cys Pro Ala Leu Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile  
 275 280 285  
 Val Met Ala Arg Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu  
 290 295 300  
 Ala Ser Leu Glu Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly  
 305 310 315 320  
 Leu Gln Gln Phe Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu  
 325 330 335  
 Asp Asn Leu Arg Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr  
 340 345 350  
 Ile Gln Asp Leu Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu  
 355 360 365

10004360-100701

His Phe Leu Glu Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly  
 370 375 380  
 Ser Phe Pro Tyr Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp  
 385 390 395 400  
 Glu Asp Ser Asn Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val  
 405 410 415  
 Lys Leu Thr Arg Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser  
 420 425 430  
 Ile Cys Ala Ala Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr  
 435 440 445  
 Asn Lys Asn Arg Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro  
 450 455 460  
 Lys Lys Thr Ala Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro  
 465 470 475 480  
 Thr Pro Val Leu Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala  
 485 490 495  
 Asn Gly Val Val Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu  
 500 505 510  
 Val Ser Asp Lys Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp  
 515 520 525  
 Ser Gln Ser Glu Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu  
 530 535 540  
 Gln Asp Glu Lys Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu  
 545 550 555 560  
 Gln Gln Ser Ile Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser  
 565 570 575  
 Lys Ile Thr His Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln  
 580 585 590  
 Glu Trp Trp Trp Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile  
 595 600 605  
 Ser Met Pro Tyr His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu  
 610 615 620  
 Leu Lys Phe Pro Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val  
 625 630 635 640  
 Phe Leu Arg Ser Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu  
 645 650 655  
 Lys Leu Glu Val His Glu Ala Lys Pro Val Pro Glu Asn His Pro Gln  
 660 665 670

10004560-120701

Trp Asp Thr Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly  
675 680 685

Phe Glu Asp Ser Phe Glu Glu Glu Glu Glu Glu Glu Asp Asp Asp  
690 695 700

<210> 423

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser  
1 5 10 15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val  
20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Leu Gly Pro Pro Asp Pro  
35 40 45

Arg Pro Arg Thr Leu Pro Pro Leu Pro Pro Gly Pro Thr Pro Ala Gln  
50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Pro Arg Gly Ser Glu  
65 70 75 80

Gly Gly Asn Gly Ser Asn Pro Val Ala Gly Leu Glu Thr Asp Asp His  
85 90 95

Gly Gly Lys Ala Gly Glu Gly Ser Val Gly Gly Gly Leu Ala Val Ser  
100 105 110

Pro Asn Pro Gly Asp Lys Pro Met Thr Gln Arg Ala Leu Thr Val Leu  
115 120 125

Met Val Val Ser Gly Ala Val Leu Val Tyr Phe Val Val Arg Thr Val  
130 135 140

Arg Met Arg Arg Arg Asn Arg Lys Thr Arg Arg Tyr Gly Val Leu Asp  
145 150 155 160

Thr Asn Ile Glu Asn Met Glu Leu Thr Pro Leu Glu Gln Asp Asp Glu  
165 170 175

10004560-120704

Asp Asp Asp Asn Thr Leu Phe Asp Ala Asn His Pro Arg Arg  
 180 185 190

<210> 424  
 <211> 179  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (179)  
 <223> Xaa equals stop translation

<400> 424  
 Met Ser Pro Ser Gly Arg Leu Cys Leu Leu Thr Ile Val Gly Leu Ile  
 1 5 10 15  
 Leu Pro Thr Arg Gly Gln Thr Leu Lys Asp Thr Thr Ser Ser Ser Ser  
 20 25 30  
 Ala Asp Ser Thr Ile Met Asp Ile Gln Val Pro Thr Arg Ala Pro Asp  
 35 40 45  
 Ala Val Tyr Thr Glu Leu Gln Pro Thr Ser Pro Thr Pro Thr Trp Pro  
 50 55 60  
 Ala Asp Glu Thr Pro Gln Pro Gln Thr Gln Thr Gln Gln Leu Glu Gly  
 65 70 75 80  
 Thr Asp Gly Pro Leu Val Thr Asp Pro Glu Thr His Lys Ser Thr Lys  
 85 90 95  
 Ala Ala His Pro Thr Asp Asp Thr Thr Thr Leu Ser Glu Arg Pro Ser  
 100 105 110  
 Pro Ser Thr Asp Val Gln Thr Asp Pro Gln Thr Leu Lys Pro Ser Gly  
 115 120 125  
 Phe His Glu Asp Asp Pro Phe Phe Tyr Asp Glu His Thr Leu Arg Lys  
 130 135 140  
 Arg Gly Leu Leu Val Ala Ala Val Leu Phe Ile Thr Gly Ile Ile Ile  
 145 150 155 160  
 Leu Thr Ser Gly Lys Cys Arg Gln Leu Ser Arg Leu Cys Arg Asn His  
 165 170 175  
 Cys Arg Xaa

<210> 425  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

10004350-120701

&lt;400&gt; 425

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Leu Asp Phe Thr  
 1 5 10 15

Trp Glu Ser Lys Val Gln Phe His Lys Ala Ser Val Tyr Leu Ser Leu  
 20 25 30

Ser Ile Tyr Ile Asp Cys His Ala  
 35 40

&lt;210&gt; 426

&lt;211&gt; 232

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 426

Met Leu Ala Gly Lys Leu Ile Pro Val His Gln Val Arg Gly Leu Lys  
 1 5 10 15

Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser Phe Leu  
 20 25 30

Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met Lys Thr  
 35 40 45

Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala Ala Ser  
 50 55 60

Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly Asp Gly  
 65 70 75 80

Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn Arg Phe  
 85 90 95

Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser Arg Asn  
 100 105 110

Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn Ile Tyr  
 115 120 125

Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile Lys Ala  
 130 135 140

Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn Pro Thr  
 145 150 155 160

Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala Val Arg  
 165 170 175

Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro Val Ile  
 180 185 190

Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser Pro Arg  
 195 200 205

Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu Met Tyr  
 210 215 220

10004360-120701

Arg Leu His His Tyr Ser Asp Phe  
225 230

<210> 427

<211> 250

<212> PRT

<213> Homo sapiens

<400> 427

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val  
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser  
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly  
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu  
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu  
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro  
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met  
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro  
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile  
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr  
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn  
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln  
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val  
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys  
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val  
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn  
245 250

10004860-120701

<210> 428  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<400> 428  
 Met Trp Thr Lys Asn Asp Lys Leu Lys Lys Phe Phe Phe Leu Arg Tyr  
           1                  5                  10                  15  
 Leu Gln Asn Met Val Tyr Phe Tyr Val Glu Lys Lys Ser Tyr Glu Gly  
                   20                  25                  30  
 Ser Cys Tyr Phe Lys Arg Lys Phe Ile Lys Ser Pro Arg Gly Met Lys  
                   35                  40                  45  
 Met Thr Ala Cys Phe Ser Ile Ile Leu Ala  
           50                  55

<210> 429  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (117)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (219)  
 <223> Xaa equals stop translation

<400> 429  
 Met Ala Val Val Leu Leu Ala Asn Leu Ala Gln Gly Asp Ser Leu Ala  
           1                  5                  10                  15  
 Ala Arg Ala Ile Ala Val Gln Lys Gly Ser Ile Gly Asn Leu Gly  
                   20                  25                  30  
 Phe Leu Glu Asp Ser Leu Ala Ala Thr Gln Phe Gln Gln Ser Gln Ala  
           35                  40                  45  
 Ser Leu Leu His Met Gln Asn Pro Pro Phe Glu Pro Xaa Ser Val Asp  
           50                  55                  60

10004360-100701

Met Met Arg Arg Ala Ala Arg Ala Leu Leu Ala Leu Ala Lys Val Asp  
65 70 75 80

Glu Asn His Ser Glu Phe Thr Leu Tyr Glu Ser Arg Leu Leu Asp Ile  
85 90 95

Ser Val Ser Pro Leu Met Asn Ser Xaa Val Ser Gln Val Ile Cys Asp  
100 105 110

Val Leu Phe Leu Xaa Trp Pro Val Met Thr Ala Val Gly His Leu Pro  
115 120 125

Pro Pro Cys Val Cys Ala Cys Val Glu Asn Leu Glu Thr Asp Cys Cys  
130 135 140

Pro Leu Phe Met Gln Asn His Leu Arg Ile Gln Phe Thr Leu Cys Cys  
145 150 155 160

Pro Ala Ser Pro Leu Gly Lys Ser Leu Ser Cys Phe Ser Leu Leu Leu  
165 170 175

Pro Pro Pro Leu Pro Pro Ser Pro His Ala Phe Leu Phe Leu Val Leu  
180 185 190

Thr Leu Leu Pro Ser Gly Pro Tyr Pro Thr Leu Phe Glu Lys Thr Lys  
195 200 205

Leu Cys Leu His Arg Arg Leu Phe Leu Phe Xaa  
210 215

<210> 430.

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 430

Met Leu Pro Asp Glu Ser Phe Gly Leu Leu Leu Ser Ile Pro Ser Leu  
1 5 10 15

Thr Pro Ser Ala Ala Ala Pro Ser Phe Cys Val His Leu Met Gln Ala  
20 25 30

Ser Arg Ser Ser Lys Arg Ala Ser His Val Pro Val His Leu Leu Trp  
35 40 45

Gly Asp Xaa  
50

<210> 431

<211> 50

10004560-120701



<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals stop translation

<400> 431  
 Met Arg Pro Gly Ser Phe Ser Phe Ile Ala Phe Leu Ala Thr Glu Val  
           1                  5                  10                  15  
 Ser Ser Cys Phe Pro Gly Arg Pro Asp Cys Xaa Thr Gly Met Trp Leu  
                   20                  25                  30  
 Leu Gln Leu Gln Lys Lys Gln Arg Thr Leu Leu Ala Met Ala Pro Arg  
                   35                  40                  45  
 Arg Xaa  
           50

<210> 432  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals stop translation

<400> 432  
 Asp Arg Pro Cys Pro Ser Ser Leu Trp Lys Val Phe Pro Leu Leu Leu  
           1                  5                  10                  15  
 Leu Leu Met Arg Leu Phe Pro Leu Pro Val Pro Gly Asn Gln Arg Ala  
                   20                  25                  30

1000430-120701

Xaa Leu Pro His Pro Phe Xaa Ala Pro Arg Leu Pro Cys Leu Leu Cys  
 35 40 45

Leu Cys Thr Gln Gln Phe Xaa Val Cys Ser His Tyr Leu Pro Ala Gly  
 50 55 60

Tyr Arg Val Asn Ser Xaa  
 65 70

<210> 433

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 433

Met His Glu Lys Ala Trp Asn Leu Ile Leu Leu Trp Trp Leu Ser Leu  
 1 5 10 15

Asp Leu Leu Gly Val Ala Lys Thr Ala Met Trp Ala Gln Trp Cys Gly  
 20 25 30

Leu Asn Asp His Lys Gly Lys Xaa  
 35 40

<210> 434

<211> 104

<212> PRT

<213> Homo sapiens

<400> 434

Met Ala Phe Val Leu Leu Phe Cys Phe Val Gly Leu Gln Ser Ser Arg  
 1 5 10 15

Ala Gly Pro Tyr Ser Glu Leu Val Leu Cys Gln Thr Pro Ala Ser Ala  
 20 25 30

Pro Asp Pro Val Ser Thr Leu Cys Val Leu Glu Glu Glu Pro Leu Asp  
 35 40 45

Ala Tyr Pro Asp Ser Pro Ser Ala Cys Leu Val Leu Asn Trp Glu Glu  
 50 55 60

Pro Cys Asn Asn Gly Ser Glu Ile Leu Ala Tyr Thr Ile Asp Leu Gly  
 65 70 75 80

Asp Thr Ser Ile Thr Val Gly Asn Thr Thr Met His Val Met Lys Asp  
 85 90 95

Leu Leu Pro Glu Thr Thr Tyr Arg  
 100

10004560-120701

<210> 435  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals stop translation

<400> 435  
 Met Phe Ser Leu Leu Trp Leu Val Cys Val Pro Ser Asn Ser Ser Val  
 1 5 10 15

Ala Asn Val Thr Ala Ser Arg Gly Gly Val Phe Lys Arg Ser Leu Gly  
 20 25 30

His Glu Gly Phe Ser Xaa  
 35

<210> 436  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals stop translation

<400> 436  
 Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala  
 1 5 10 15

Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe  
 20 25 30

Val Ser Xaa  
 35

<210> 437  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals stop translation

<400> 437  
 Met Leu Leu Phe Leu Ser Ile Thr Asn Ser Leu Ser Phe Ile Ser Val  
 1 5 10 15

10004001-0001-0001

Asp Lys Pro Phe Gly Gln Ser Glu Asp Val Cys Pro Val Ile Ser Xaa  
                   20                  25                  30

<210> 438

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (127)

<223> Xaa equals stop translation

<400> 438

Met Glu Phe Leu Phe Asn Lys Thr Gly Trp Ala Phe Ala Ala Leu Cys  
       1                  5                  10                  15

Phe Val Leu Ala Met Thr Ser Gly Gln Met Trp Asn His Ile Arg Gly  
                   20                  25                  30

Pro Pro Tyr Ala His Lys Asn Pro His Thr Gly His Val Asn Tyr Ile  
                   35                  40                  45

His Gly Ser Ser Gln Ala Gln Phe Val Ala Glu Thr His Ile Val Leu  
           50                  55                  60

Leu Phe Asn Gly Gly Val Thr Leu Gly Met Val Leu Leu Cys Glu Ala  
       65                  70                  75                  80

Ala Thr Ser Asp Met Asp Ile Gly Lys Arg Lys Ile Met Cys Val Ala  
                   85                  90                  95

Gly Ile Gly Leu Val Val Leu Phe Phe Ser Trp Met Leu Ser Ile Phe  
                   100                  105                  110

Arg Ser Lys Tyr His Gly Tyr Pro Tyr Ser Phe Leu Met Ser Xaa  
           115                  120                  125

<210> 439

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals stop translation

10004380-120701

&lt;400&gt; 439

Met Thr Trp His Ser Arg Glu Ser Phe Xaa Leu Leu Arg Val Val Ala  
 1 5 10 15

Pro Ser Gln Ala Pro Gly Met Gln Val Ser Pro Ser Gln Arg Ala Trp  
 20 25 30

Arg Arg Pro Leu His Arg Cys His Val Ala Ala Pro Arg Pro His His  
 35 40 45

Phe Ala Phe Phe Arg Asn Pro Phe Ser Trp Ser Phe Ile Lys Leu Leu  
 50 55 60

Tyr Arg Tyr Leu Xaa  
 65

&lt;210&gt; 440

&lt;211&gt; 92

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 440

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val  
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp  
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Thr  
 35 40 45

Trp Pro Thr Thr Arg Ser Leu Gly Arg Gln Asp Glu His Gln Asp Arg  
 50 55 60

Val His Ile Leu Gly Gly Phe Pro Gln Leu His Gly His Ser Pro Tyr  
 65 70 75 80

Gly Leu Pro Gly Arg Gly Glu Arg Tyr Val Gly Xaa  
 85 90

&lt;210&gt; 441

&lt;211&gt; 380

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (264)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

10004360.120701

<221> SITE  
 <222> (296)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (380)  
 <223> Xaa equals stop translation

<400> 441

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser  
 1 5 10 15

Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln  
 20 25 30

Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu  
 35 40 45

Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala  
 50 55 60

Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile  
 65 70 75 80

Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln  
 85 90 95

Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly  
 100 105 110

Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro  
 115 120 125

His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln  
 130 135 140

Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu  
 145 150 155 160

Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr  
 165 170 175

Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys  
 180 185 190

Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His  
 195 200 205

Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys  
 210 215 220

Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn  
 225 230 235 240

Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys  
 245 250 255

10004860-120701

Phe Tyr Pro Gly Lys Cys Ile Xaa Pro Pro Gly Leu Glu Gly Glu Gln  
                   260                                  265                                  270  
 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys  
                   275                                  280                                  285  
 Ile Gly Lys Ser Lys Cys Lys Xaa Ser Lys Gly Tyr Gln Gly Asp Leu  
                   290                                  295                                  300  
 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys  
                   305                                  310                                  315                                  320  
 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His  
                                   325                                  330                                  335  
 Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala  
                                   340                                  345                                  350  
 Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu  
                   355                                  360                                  365  
 Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp Xaa  
                   370                                  375                                  380

<210> 442  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals stop translation

<400> 442  
 Met Thr Ser Asn Leu Leu Leu Thr Leu Leu Lys Asp Thr Leu  
           1                                  5                                  10                                  15

Xaa Leu Ala Lys Xaa Asn Xaa Xaa  
                   20

10004550-120701

<210> 443  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals stop translation

<400> 443  
 Met Arg His His Thr Gln Leu Asn Phe Ile Phe Leu Val Glu Met Val  
           1                  5                  10                  15  
 Phe Leu His Val Gly Gln Ala Gly Leu Lys Leu Pro Thr Ser Gly Asp  
                   20                  25                  30  
 Xaa Ala Cys Phe Gly Leu Pro Lys Val Leu Gly Leu Gln Ala Xaa  
           35                  40                  45

<210> 444  
 <211> 214  
 <212> PRT  
 <213> Homo sapiens

<400> 444  
 Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn  
           1                  5                  10                  15  
 Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp  
           20                  25                  30  
 Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His  
           35                  40                  45  
 Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile  
           50                  55                  60  
 Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser  
           65                  70                  75                  80  
 Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser  
                   85                  90                  95  
 Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe  
           100                  105                  110  
 Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu  
           115                  120                  125  
 Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp  
           130                  135                  140

10004860.120701



Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu  
145 150 155 160

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro  
165 170 175

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg  
180 185 190

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys  
195 200 205

Lys Asp Tyr Asp Asn Phe  
210

<210> 445

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals stop translation

<400> 445

Leu Leu Ser Ile Leu Leu Cys Leu Leu Ala Ser Gly Leu Val Val Phe  
1 5 10 15

Phe Leu Phe Pro His Ser Val Leu Val Asp Asp Asp Gly Ile Lys Val  
20 25 30

Val Lys Val Thr Phe Asn Lys Gln Asp Ser Leu Val Ile Leu Thr Ile  
35 40 45

Met Ala Thr Leu Lys Ile Arg Asn Ser Asn Phe Tyr Thr Val Ala Val  
50 55 60

Thr Ser Leu Ser Ser Gln Ile Gln Tyr Met Asn Thr Val Val Asn Phe  
65 70 75 80

Thr Gly Lys Ala Glu Met Gly Gly Pro Phe Ser Tyr Val Tyr Phe Phe  
85 90 95

Cys Thr Val Pro Glu Ile Leu Val His Asn Ile Val Ile Phe Met Arg  
100 105 110

Thr Ser Val Lys Ile Ser Tyr Ile Gly Leu Met Thr Gln Ser Ser Leu  
115 120 125

Glu Thr His His Tyr Val Asp Cys Gly Gly Asn Ser Thr Ala Ile Xaa  
130 135 140

10004860 120701

<210> 446  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals stop translation

<400> 446  
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val  
       1                  5                  10                  15  
 Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val  
                   20                  25                  30  
 Ala Ser Ala Leu Xaa  
                   35

<210> 447  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals stop translation

<400> 447  
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys  
       1                  5                  10                  15  
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly  
                   20                  25                  30  
 Ser Val Pro Ser Xaa  
                   35

<210> 448  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

10004360-120701

<220>  
 <221> SITE  
 <222> (192)  
 <223> Xaa equals stop translation

<400> 448

Met Met Ala Ala Met Val Leu Thr Ser Leu Ser Cys Ser Pro Val Val  
 1 5 10 15

Gln Ser Pro Pro Gly Thr Glu Ala Asn Phe Ser Ala Ser Arg Ala Ala  
 20 25 30

Cys Asp Pro Trp Lys Glu Ser Gly Asp Ile Ser Asp Ser Gly Xaa Ser  
 35 40 45

Thr Thr Ser Gly His Trp Ser Gly Ser Ser Gly Val Ser Thr Pro Ser  
 50 55 60

Pro Pro His Pro Gln Ala Ser Pro Lys Tyr Leu Gly Asp Ala Phe Gly  
 65 70 75 80

Ser Pro Gln Thr Asp His Gly Phe Glu Thr Asp Pro Asp Pro Phe Leu  
 85 90 95

Leu Asp Glu Pro Ala Pro Arg Lys Arg Lys Asn Ser Val Lys Val Met  
 100 105 110

Tyr Lys Cys Leu Trp Pro Asn Cys Gly Lys Val Leu Arg Ser Ile Val  
 115 120 125

Gly Ile Lys Arg His Val Lys Ala Leu His Leu Gly Asp Thr Val Asp  
 130 135 140

Ser Asp Gln Phe Lys Arg Glu Glu Asp Phe Tyr Tyr Thr Glu Val Gln  
 145 150 155 160

Leu Lys Glu Glu Ser Ala Ala Ala Ala Ala Ala Ala Ala Asp Pro  
 165 170 175

Gln Ser Leu Gly Leu Pro Pro Pro Ser Gln Leu Pro Pro Pro Ala Xaa  
 180 185 190

<210> 449  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals stop translation

<400> 449

Met Ser Thr Asn Tyr Leu Thr Asp Val Cys Ser Leu Phe Ser Tyr Leu

10004350 120701

Pro Glu Asn Lys Xaa  
100

<210> 451  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals stop translation

<400> 451  
 Met Ala Arg Tyr Phe Ile Phe Phe Ile Leu Val Phe Met Lys Val Ser  
 1 5 10 15  
 Leu Asn Thr Thr Trp Pro Ala Pro Arg Pro Ala Thr Leu Arg Thr Ala  
 20 25 30  
 Asn Lys Ser Lys Xaa  
 35

<210> 452  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals stop translation

<400> 452  
 Phe Ser Thr Ile Arg Ser Gly Leu Thr Asp Arg Ser Val Asn Phe Leu  
 1 5 10 15  
 Phe Leu Phe Leu Asp Val Pro Asp Cys Arg Leu Val Asn Ile Glu Leu  
 20 25 30  
 Met Ala Asn Ser Thr Val Thr His Ala Xaa  
 35 40

<210> 453  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 453  
 Met Ser Glu Trp Glu Leu Ser Ser Lys Phe Ser Gln Thr Gln Arg Gln  
 1 5 10 15  
 His Cys Leu Leu Leu Asn Asp Tyr Ser Phe Leu Pro Val Phe Trp Tyr  
 20 25 30  
 Phe Leu Gly Ile Leu Leu Thr Thr Ala Ile Thr Leu Phe Tyr Phe His  
 35 40 45

10004850-120701

<210> 454  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals stop translation

<400> 454  
 Met Pro Trp Arg Arg Ala Gly Leu Met Met Leu Pro Ile Ile Thr Gly  
           1                  5                  10                  15  
 Cys Cys Pro Cys Ser Ala Ser Ile Xaa  
                   20                  25

<210> 455  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 455  
 Met Tyr Leu Cys Lys Thr Val Lys Val Leu Ile Cys Tyr Asp Trp Ile  
           1                  5                  10                  15  
 Leu Gly Leu Val Ser Ser Gly Gln His Trp Val Val Ser Leu Ser Tyr  
                   20                  25                  30  
 Ser Ile Arg Val Tyr Pro Ala Met His Phe Thr Leu Cys Val His Ile  
           35                  40                  45  
 Tyr Ser Lys Glu Pro Cys  
           50

<210> 456  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals stop translation

<400> 456  
 Met Thr Ala Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys  
           1                  5                  10                  15  
 Pro Ile Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His  
                   20                  25                  30

10004860 "100701

Ser Phe Ile His Ser Ser Asn Ile Cys Xaa  
 35 40

<210> 457  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals stop translation

<400> 457  
 Met Phe Leu Thr Thr Trp Phe Leu Leu Leu Ser Val Ala Trp Xaa Ala  
 1 5 10 15  
 Leu Thr Arg Ser Gly Arg Ser Cys Leu Pro Leu Val Gly Arg Pro Arg  
 20 25 30  
 Glu Gln Ser Pro Arg Thr His Cys Ala Ala Ser Ser Thr Lys Glu Arg  
 35 40 45  
 Asn Ser Asp Pro Gln Pro Ser Pro Pro Glu Val Val Gly Pro Leu Trp  
 50 55 60  
 Ser Xaa  
 65

<210> 458  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 458  
 Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile  
 1 5 10 15  
 Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe  
 20 25 30  
 Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro  
 35 40 45  
 Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys  
 50 55 60  
 Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu  
 65 70 75 80  
 Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn

10004660-120001

85

90

95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile  
100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe  
115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala  
130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg  
145 150 155

&lt;210&gt; 459

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 459

Met Asn Asp Asn Ser Pro Asn His Ser Ser Ser Tyr Leu Pro Leu Pro  
1 5 10 15

Leu Thr Ile Val Ile Leu Gln Thr Gly His Lys Gly Thr Leu Xaa  
20 25 30

&lt;210&gt; 460

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 460

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu  
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys  
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys  
35 40 45

Gly Asp Leu Leu Lys Cys Pro Leu Xaa  
50 55

&lt;210&gt; 461

10004350-120701



<211> 416  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (338)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (416)  
 <223> Xaa equals stop translation

<400> 461  
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro  
   1                  5                  10                  15  
 Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys  
                   20                  25                  30  
 Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg  
           35                  40                  45  
 Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His  
   50                  55                  60  
 Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp  
   65                  70                  75                  80  
 Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr  
                   85                  90                  95  
 Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln  
           100                  105                  110  
 Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp  
   115                  120                  125  
 Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu  
   130                  135                  140  
 His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe  
   145                  150                  155                  160  
 Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr  
                   165                  170                  175  
 Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu  
           180                  185                  190  
 Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met  
   195                  200                  205  
 Leu Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu  
   210                  215                  220  
 Leu Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met

10004360-12001

225                      230                      235                      240  
 Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe  
                                  245                      250                      255  
 Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn  
                                  260                      265                      270  
 Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys  
                                  275                      280                      285  
 Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly Met  
                                  290                      295                      300  
 Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala Arg  
                                  305                      310                      315                      320  
 Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp Ser  
                                  325                      330                      335  
 Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly Arg  
                                  340                      345                      350  
 His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu Glu  
                                  355                      360                      365  
 Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Ala Arg  
                                  370                      375                      380  
 Ala Trp Thr Thr Ser Thr Thr Cys Ser Arg Trp Ala Leu Arg Pro Pro  
                                  385                      390                      395                      400  
 Arg Trp Thr Cys Ser Phe Leu Ser His Gly Val Ser Glu Gln Val Xaa  
                                  405                      410                      415

<210> 462

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462

Met Ala Pro Gly Pro Leu Ser Ala Thr Gln Ala Val Val Ile His Thr  
 1                      5                      10                      15

Thr His Cys Leu Gln Leu Pro Val Trp Cys Leu Ser Leu Val Ser Glu  
                                  20                      25                      30

Leu Leu Gly Arg Ala Pro Pro His Asn Lys Asp Ala Leu Arg Pro Ser  
                                  35                      40                      45

10004560-120701

Lys Lys Lys Lys Lys Lys Leu Xaa Gly Gly Pro Val Pro Ile Pro Pro  
 50 55 60

<210> 463

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals stop translation

<400> 463

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro  
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala  
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val  
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu  
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Ala Ala Val Arg Ser Xaa  
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Xaa Gly Ala Ile  
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala  
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe  
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met  
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val  
 145 150 155 160

10004860-120701

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly  
165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Asn Leu Leu Gly Gly Trp  
180 185 190

Lys Tyr Ser Ser Phe Ser Gly Phe Leu Ile Phe Pro Leu Xaa  
195 200 205

<210> 464

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 464

Met Gln Arg Lys Val Ser Asp Phe Ile Ile His Gln Arg Leu Thr Val  
1 5 10 15

Asn Leu Cys Val Ile Ser Phe Phe Phe Phe Leu Pro Ile Cys Ile Phe  
20 25 30

Ser Leu Ala Lys Lys Xaa  
35

<210> 465

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals stop translation

<400> 465

Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu Ser Leu  
1 5 10 15

Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala Ser Thr  
20 25 30

Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu Phe Val  
35 40 45

Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe Gly Lys  
50 55 60

Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu Leu Leu  
65 70 75 80

10004860-120701

Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr Thr Cys  
                             85                            90                            95

Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile Ser Ser  
                             100                            105                            110

Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys Val Thr  
                             115                            120                            125

Gly Lys Ser Lys Lys Arg Asn Xaa  
                             130                            135

<210> 466

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 466

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe  
   1                            5                            10                            15

Xaa Xaa Phe Ser Ile Thr Ser Glu Xaa Glu Thr Phe Tyr Met Ile Ile  
                             20                            25                            30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe  
                             35                            40                            45

Leu Xaa  
                             50

<210> 467

<211> 71

<212> PRT

<213> Homo sapiens

<220>

10004860.120701

<221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals stop translation

<400> 467  
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu  
   1                  5                  10                  15  
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Xaa Leu Phe Gly Leu Ile  
                   20                  25                  30  
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Leu Ser Val Pro  
                   35                  40                  45  
 Xaa Leu Ser Cys Ala Ser His Pro Tyr Cys Asn Cys Pro Met Ser Thr  
           50                  55                  60  
 Ser Cys Pro Leu Pro Arg Xaa  
   65                  70

<210> 468  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals stop translation

<400> 468  
 Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro Pro  
   1                  5                  10                  15  
 Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys  
                   20                  25                  30  
 Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val  
           35                  40                  45  
 Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys Xaa  
   50                  55

<210> 469  
 <211> 59  
 <212> PRT

10004360-120701

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met	Phe	Ser	Arg	Thr	Ser	Asn	Phe	Trp	Thr	Phe	Phe	Phe	Gln	Phe	Leu
1					5				10					15	

Ile	Phe	Lys	Val	Phe	Leu	Val	Leu	Lys	Asn	Xaa	Phe	Thr	Ser	Gln	Lys
			20					25					30		

Ile	Xaa	Xaa	Ile	Xaa	Xaa	Glu	Lys	Pro	Lys	Lys	Lys	Lys	Xaa	Arg	Gly
			35				40						45		

Gly	Arg	Ala	Pro	Ser	Pro	Gln	Gly	Gly	Pro	Xaa
			50			55				

<210> 470

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

10004360 126701

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 470

Met Ser Ser Leu Leu Ser Ala Gly Leu Gln Ala Ser Leu Cys Gly Lys  
1 5 10 15

Xaa Leu Trp Ala Ser Thr Trp Tyr Leu Val Cys Cys Leu Leu Pro Phe  
20 25 30

Phe His Gln Gly Cys Cys Asp His Lys Ser Lys Gln Gln Tyr Ile Pro  
35 40 45

Asn Leu Lys Ser Tyr Cys Gly Leu Ser Thr Ile Glu Ile Xaa  
50 55 60

<210> 471

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (305)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (316)

<223> Xaa equals stop translation

<400> 471

Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe  
1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Ile Ala Pro Gly Pro Thr  
20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn  
35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp

10004350.120701



50                      55                      60  
 Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn  
 65                      70                      75                      80  
 Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser  
                     85                      90                      95  
 Pro Trp Phe Gln Phe Met Xaa Phe Ile Leu Gln Leu Asp Ile Ala Phe  
                     100                      105                      110  
 Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val  
                     115                      120                      125  
 Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala  
                     130                      135                      140  
 His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys  
 145                      150                      155                      160  
 Thr Pro Glu His Gly Gly Pro Val Thr Met Asn Val Met Ser Phe Leu  
                     165                      170                      175  
 Ser Trp Lys Leu Gly Leu Trp Pro Met Lys Phe Tyr Leu Leu Asn Ile  
                     180                      185                      190  
 Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu  
                     195                      200                      205  
 Ile Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr  
                     210                      215                      220  
 Lys Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile  
 225                      230                      235                      240  
 Ile Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro  
                     245                      250                      255  
 Val Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe  
                     260                      265                      270  
 Ile Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp  
                     275                      280                      285  
 Met Leu Leu Phe Gly Asp Ile Arg Gln Ala Ser Ser Met Xaa Cys Phe  
                     290                      295                      300  
 Xaa Pro Ser Gly Ser Ser Ser Val Ala Ser Thr Xaa  
 305                      310                      315

&lt;210&gt; 472

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

10004860.120701

<222> (24)

<223> Xaa equals stop translation

<400> 472

Met Leu Ala Leu Leu Gly Leu Leu Ala Gly Thr Glu His Pro Pro Gly  
1 5 10 15

Pro Gln Gly Pro Gly Pro Ser Xaa  
20

<210> 473

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 473

Met Pro Ser Gly Ala Cys Cys Ser Pro Xaa  
1 5 10

<210> 474

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 474

Tyr Val Met Ile Phe Lys Lys Glu Phe Ala Pro Ser Asp Glu Glu Leu  
1 5 10 15

Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp Pro Gln Lys Ala Glu Glu  
20 25 30

Lys Arg Asn Xaa Lys Glu Leu Ala Gln Arg Gln Xaa Gly Gly Gly Ser  
35 40 45

Pro Ala Gly Ala Cys Gly Gly Glu Pro Cys Gln Arg Leu Gln Gly Gln  
50 55 60

10004860-120701

Val Gln Pro Pro His Arg Gln Gly Ser Ser Gln Arg Arg Ser Pro His  
65 70 75 80

Ala Thr Gly Gln Xaa  
85

<210> 475

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 475

Met Leu Pro Ala Leu Ser Thr Val Leu Leu Pro Thr Pro Ser Leu Cys  
1 5 10 15

Ser Gly Asn Pro Arg Glu Gly Trp Ala Xaa  
20 25

<210> 476

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 476

Lys Glu Phe Phe Val Phe Leu Phe Val Cys Leu Phe Trp Leu Leu Ser  
1 5 10 15

Asn Thr Pro Leu Thr Phe Ile Ser Ile Ile Leu Gln Arg Lys Glu Thr  
20 25 30

Asn Xaa

<210> 477

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

10004350-126701

<221> SITE  
 <222> (172)  
 <223> Xaa equals stop translation

<400> 477

Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val Ile Cys Tyr  
 1 5 10 15  
 Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu Pro Trp Ala  
 20 25 30  
 Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val Tyr Ser Gly  
 35 40 45  
 Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met Gly Leu Thr  
 50 55 60  
 Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser Thr Phe Pro  
 65 70 75 80  
 Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile Leu Val Phe  
 85 90 95  
 Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp Lys Arg Pro  
 100 105 110  
 Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly Thr Glu Gln  
 115 120 125  
 Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn Met Asp Lys  
 130 135 140  
 Ser Asp Ser Glu Leu Asn Xaa Glu Val Ala Ala Arg Lys Arg Asn Leu  
 145 150 155 160  
 Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met Xaa  
 165 170

<210> 478

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

10004360-1000

&lt;400&gt; 478

Met Cys Ile His Val Phe Met Xaa Val Leu Trp Val Leu Phe Leu Leu  
 1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Xaa Asn Cys Phe Ser Val  
 20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu  
 35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp Xaa  
 50 55 60

&lt;210&gt; 479

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 479

Gly Arg Xaa  
 1

&lt;210&gt; 480

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 480

Met Phe His Val Leu Met Ala Gln Val Thr Xaa Val Ile Ile Thr Thr  
 1 5 10 15

1000480-120701

Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu  
                   20                  25                  30  
 Glu Ala Xaa Ser Val Xaa Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys  
                   35                  40                  45  
 Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu  
                   50                  55                  60  
 Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu  
                   65                  70                  75                  80  
 Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe Xaa  
                   85                  90                  95

<210> 481  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (159)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
 <220>  
 <221> SITE  
 <222> (171)  
 <223> Xaa equals stop translation

<400> 481  
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln  
           1                  5                  10                  15  
 Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Leu Val  
                   20                  25                  30  
 Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro  
                   35                  40                  45  
 Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr  
                   50                  55                  60  
 His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu  
                   65                  70                  75                  80  
 Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro  
                   85                  90                  95  
 His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu  
                   100                  105                  110  
 Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro

1004860-120701

115

120

125

Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp  
130 135 140

Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Xaa His  
145 150 155 160

Leu Gly Arg Lys Gln Gly Leu His Gly Asn Xaa  
165 170

&lt;210&gt; 482

&lt;211&gt; 623

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (111)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (575)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 482

Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu Thr Asp Glu Glu  
1 5 10 15

Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp Gly Pro Gln Ala  
20 25 30

Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val Asp Gln Lys Asn  
35 40 45

Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe Met Val Ile Leu  
50 55 60

Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile Arg Tyr Ser Gly  
65 70 75 80

Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr Tyr Phe Val Tyr  
85 90 95

Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met Val Leu Xaa Gly  
100 105 110

Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala Thr Ser Arg Pro  
115 120 125

Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu Ile Gly Ser Ile  
130 135 140

Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro Tyr Ser Leu Lys  
145 150 155 160

10004860 "120701

Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met Lys Ile Pro Glu  
 165 170 175  
 Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys Cys Pro Ala Leu  
 180 185 190  
 Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile Val Met Ala Arg  
 195 200 205  
 Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu Ala Ser Leu Glu  
 210 215 220  
 Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly Leu Gln Gln Phe  
 225 230 235 240  
 Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu Asp Asn Leu Arg  
 245 250 255  
 Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr Ile Gln Asp Leu  
 260 265 270  
 Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu His Phe Leu Glu  
 275 280 285  
 Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly Ser Phe Pro Tyr  
 290 295 300  
 Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp Glu Asp Ser Asn  
 305 310 315 320  
 Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val Lys Leu Thr Arg  
 325 330 335  
 Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala  
 340 345 350  
 Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg  
 355 360 365  
 Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala  
 370 375 380  
 Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro Thr Pro Val Leu  
 385 390 395 400  
 Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala Asn Gly Val Val  
 405 410 415  
 Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu Val Ser Asp Lys  
 420 425 430  
 Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp Ser Gln Ser Glu  
 435 440 445  
 Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu Gln Asp Glu Lys  
 450 455 460  
 Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu Gln Gln Ser Ile

10004360-120701



465                      470                      475                      480  
 Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser Lys Ile Thr His  
                                  485                      490                      495  
 Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln Glu Trp Trp Trp  
                                  500                      505                      510  
 Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile Ser Met Pro Tyr  
                                  515                      520                      525  
 His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu Leu Lys Phe Pro  
                                  530                      535                      540  
 Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val Phe Leu Arg Ser  
 545                      550                      555                      560  
 Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu Glu Val Xaa Lys  
                                  565                      570                      575  
 Phe Met Arg Leu Lys Pro Val Pro Glu Asn His Pro Gln Trp Asp Thr  
                                  580                      585                      590  
 Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly Phe Glu Asp  
                                  595                      600                      605  
 Ser Phe Glu Gly Gly Arg Gly Arg Glu Glu Gly Arg Trp Trp Thr  
                                  610                      615                      620

<210> 483

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 483

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser  
           1                      5                      10                      15

10004560 120701

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val  
                   20                  25                  30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Xaa Gly Pro Pro Asp Pro  
           35                  40                  45

Arg Pro Gly His Tyr Arg Arg Cys His Arg Ala Leu Thr Pro Ala Gln  
       50                  55                  60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Ala Ala Gly Leu Arg  
       65                  70                  75                  80

Gly Arg Gln Trp Gln Gln Pro Cys Gly Arg Ala Xaa  
                   85                  90

<210> 484

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 484

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Xaa Xaa  
       1                  5                  10

<210> 485

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 485

Ile Leu Leu Cys Ser Trp Pro Thr Gly Leu Val Gly Gly Arg Asp Pro  
       1                  5                  10                  15

Gly Ser Ser Arg Gly Ser Ser Ala Ser Leu Thr Pro Ser Pro Gly Arg  
           20                  25                  30

Gln Pro Cys Ser Arg Arg Arg Gly Tyr Ser Val Gly Arg Arg Ser Ser  
       35                  40                  45

Pro Pro Asp Gly Ser Xaa

1000484-12001

50

<210> 486  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals stop translation

<400> 486  
 Met Ala Phe Val Leu Leu Xaa Cys Phe Val Xaa Leu Gln Ser Ser Xaa  
           1                  5                  10                  15

Gly Arg Ala Val Gln Xaa  
                   20

<210> 487  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 487  
 Glu Asn Met Ile Cys Val Lys Cys Leu Pro Gln Tyr Pro Glu His Ser  
           1                  5                  10                  15

Lys His Val

<210> 488  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 488  
 Ala Arg Val Ala Phe His Leu Ile Cys Arg Tyr Ile Leu Pro Thr Val  
           1                  5                  10                  15

10004360-120701

Tyr Cys His Val  
20

<210> 489  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 489  
Glu Leu Val Glu Ser Pro Gly Ala Ala Gly Asn Ser Ala Arg Ser Gly  
1 5 10 15

Asn Val Val Cys  
20

<210> 490  
<211> 25  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490  
Phe Lys Lys Leu Val Asn Pro Arg Xaa Gln Gly Ile Arg His Glu Glu  
1 5 10 15

Glu Ala Val Ser Trp Gln Glu Arg Arg  
20 25

<210> 491  
<211> 206  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491  
Ile Ser Val Leu Xaa Tyr Pro His Cys Val Val His Glu Leu Pro Glu  
1 5 10 15

Leu Thr Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp  
20 25 30

Arg Asn Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu  
35 40 45

Thr Lys Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser  
50 55 60

1000489-12001

Ala Pro Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln  
65 70 75 80

Leu Tyr Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg  
85 90 95

Gln Trp Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys  
100 105 110

Val Arg His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp  
115 120 125

Ala Arg Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn  
130 135 140

Ile Glu Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro  
145 150 155 160

Asp Phe Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg  
165 170 175

Val Asp Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu  
180 185 190

Arg Glu Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu  
195 200 205

<210> 492

<211> 507

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 492

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln  
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp  
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser  
35 40 45

Arg Glu Glu Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu  
50 55 60

Thr Phe Pro Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His  
65 70 75 80

10004360-120701

Pro Gln Thr Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa Pro  
 85 90 95  
 Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg Ser  
 100 105 110  
 Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val Gly  
 115 120 125  
 Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His Lys  
 130 135 140  
 Tyr Thr Ser Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu  
 145 150 155 160  
 Arg Ser Pro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala  
 165 170 175  
 Glu Thr Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile  
 180 185 190  
 Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys  
 195 200 205  
 Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro  
 210 215 220  
 Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His  
 225 230 235 240  
 Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Leu  
 245 250 255  
 Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln  
 260 265 270  
 His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn  
 275 280 285  
 Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu  
 290 295 300  
 Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu  
 305 310 315 320  
 Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe  
 325 330 335  
 Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys  
 340 345 350  
 His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu  
 355 360 365  
 Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu  
 370 375 380

10004860-120701

Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys  
385 390 395 400

Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg  
405 410 415

Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro Trp  
420 425 430

Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg Phe  
435 440 445

Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu Pro  
450 455 460

Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu Pro  
465 470 475 480

Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val Phe  
485 490 495

Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln  
500 505

<210> 493

<211> 50

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln  
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp  
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser  
35 40 45

Arg Glu  
50

<210> 494

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

10004860-120707

0&gt; 494

Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu Thr Phe  
                           5                          10                          15

Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His Pro Gln  
                   20                          25                          30

Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa  
           35                          40                          45

10&gt; 495

11&gt; 51

12&gt; PRT

13&gt; Homo sapiens

00&gt; 495

Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg  
   1                          5                          10                          15

r Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val  
                   20                          25                          30

y Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His  
           35                          40                          45

s Tyr Thr  
       50

110&gt; 496

111&gt; 47

112&gt; PRT

113&gt; Homo sapiens

100&gt; 496

er Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu Arg Ser  
   1                          5                          10                          15

ro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala Glu Thr  
                   20                          25                          30

eu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile Ala  
           35                          40                          45

210&gt; 497

211&gt; 48

212&gt; PRT

213&gt; Homo sapiens

400&gt; 497

Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys Thr  
   1                          5                          10                          15

Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro Thr  
           20                          25                          30

10004860 "120701



Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His Lys  
 35 40 45

<210> 498

<211> 50

<212> PRT

<213> Homo sapiens

<400> 498

Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Lys  
 1 5 10 15

His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln His  
 20 25 30

Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn Gln  
 35 40 45

Asn Ile  
 50

<210> 499

<211> 48

<212> PRT

<213> Homo sapiens

<400> 499

Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu Asp Tyr Pro  
 1 5 10 15

His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu Ser Leu Glu  
 20 25 30

Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe Ser Cys Ile  
 35 40 45

<210> 500

<211> 47

<212> PRT

<213> Homo sapiens

<400> 500

Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys His Ser Arg  
 1 5 10 15

Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu Lys Arg Ala  
 20 25 30

10004860-120701

Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu Lys Leu  
                   35                                  40                                  45

<210> 501  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 501  
 Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys Ser Asn  
   1                                  5                                  10                                  15

Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg Leu Asn  
                   20                                  25                                  30

Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro  
                   35                                  40                                  45

<210> 502  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 502  
 Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg  
   1                                  5                                  10                                  15

Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu  
                   20                                  25                                  30

Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu  
                   35                                  40                                  45

<210> 503  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 503  
 Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val  
   1                                  5                                  10                                  15

Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln  
                   20                                  25

<210> 504  
 <211> 317  
 <212> PRT  
 <213> Homo sapiens

<220>

10004860-120701

<221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (112)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 504

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val  
 1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln  
 20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg  
 35 40 45

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg  
 50 55 60

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu  
 65 70 75 80

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser Arg  
 85 90 95

Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser Xaa  
 100 105 110

Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr Leu  
 115 120 125

His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp  
 130 135 140

Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu Asp  
 145 150 155 160

Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu Asp  
 165 170 175

Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu Ala  
 180 185 190

Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln Glu Met  
 195 200 205

Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala Ala  
 210 215 220

Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu Gln

10004360-120701

225					230					235					240
Glu	Ala	Leu	Asp	Lys	Asp	Ser	Gly	Tyr	Pro	Glu	Thr	Leu	Val	Asn	Leu
				245					250					255	
Ile	Val	Leu	Ser	Gln	His	Leu	Gly	Lys	Pro	Pro	Glu	Val	Thr	Asn	Arg
			260					265					270		
Tyr	Leu	Ser	Gln	Leu	Lys	Asp	Ala	His	Arg	Ser	His	Pro	Phe	Ile	Lys
		275					280					285			
Glu	Tyr	Gln	Ala	Lys	Glu	Asn	Asp	Phe	Asp	Arg	Leu	Val	Leu	Gln	Tyr
	290					295					300				
Ala	Pro	Ser	Ala	Glu	Ala	Gly	Pro	Glu	Leu	Ser	Gly	Pro			
305					310					315					
 <210> 505															
<211> 261															
<212> PRT															
<213> Homo sapiens															
 <220>															
<221> SITE															
<222> (65)															
<223> Xaa equals any of the naturally occurring L-amino acids															
 <400> 505															
Arg	Asp	Val	Glu	Arg	Asp	Val	Phe	Leu	Tyr	Arg	Ala	Tyr	Leu	Ala	Gln
1				5					10					15	
Arg	Lys	Phe	Gly	Val	Val	Leu	Asp	Glu	Ile	Lys	Pro	Ser	Ser	Ala	Pro
			20					25					30		
Glu	Leu	Gln	Ala	Val	Arg	Met	Phe	Ala	Asp	Tyr	Leu	Ala	His	Glu	Ser
		35					40					45			
Arg	Arg	Asp	Ser	Ile	Val	Ala	Glu	Leu	Asp	Arg	Glu	Met	Ser	Arg	Ser
	50					55					60				
Xaa	Asp	Val	Thr	Asn	Thr	Thr	Phe	Leu	Leu	Met	Ala	Ala	Ser	Ile	Tyr
65				70						75					80
Leu	His	Asp	Gln	Asn	Pro	Asp	Ala	Ala	Leu	Arg	Ala	Leu	His	Gln	Gly
				85					90					95	
Asp	Ser	Leu	Glu	Cys	Thr	Ala	Met	Thr	Val	Gln	Ile	Leu	Leu	Lys	Leu
			100					105					110		
Asp	Arg	Leu	Asp	Leu	Ala	Arg	Lys	Glu	Leu	Lys	Arg	Met	Gln	Asp	Leu
		115					120					125			
Asp	Glu	Asp	Ala	Thr	Leu	Thr	Gln	Leu	Ala	Thr	Ala	Trp	Val	Ser	Leu
	130					135					140				
Ala	Thr	Gly	Gly	Glu	Lys	Leu	Gln	Asp	Ala	Tyr	Tyr	Ile	Phe	Gln	Glu
145					150					155					160

Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala  
 165 170 175

Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu  
 180 185 190

Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn  
 195 200 205

Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn  
 210 215 220

Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile  
 225 230 235 240

Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln  
 245 250 255

Tyr Ala Pro Ser Ala  
 260

<210> 506

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 506

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val  
 1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln  
 20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg  
 35 40 45

<210> 507

<211> 47

<212> PRT

<213> Homo sapiens

<400> 507

10004860 120701

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg  
 1 5 10 15

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu  
 20 25 30

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser  
 35 40 45

<210> 508

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser  
 1 5 10 15

Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr  
 20 25 30

Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly  
 35 40 45

<210> 509

<211> 47

<212> PRT

<213> Homo sapiens

<400> 509

Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu  
 1 5 10 15

Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu  
 20 25 30

Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser  
 35 40 45

<210> 510

<211> 47

<212> PRT

<213> Homo sapiens

<400> 510

Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln  
 1 5 10 15

10004360-120701

Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln  
                   20                                  25                                  30

Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly  
                   35                                  40                                  45

<210> 511

<211> 48

<212> PRT

<213> Homo sapiens

<400> 511

Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu  
   1                                  5                                  10                                  15

Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val  
                   20                                  25                                  30

Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro  
                   35                                  40                                  45

<210> 512

<211> 32

<212> PRT

<213> Homo sapiens

<400> 512

Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val  
   1                                  5                                  10                                  15

Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro  
                   20                                  25                                  30

<210> 513

<211> 47

<212> PRT

<213> Homo sapiens

<400> 513

Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln  
   1                                  5                                  10                                  15

Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro  
                   20                                  25                                  30

Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu  
                   35                                  40                                  45

10004860-120701

10> 514  
 11> 48  
 12> PRT  
 13> Homo sapiens

20>  
 21> SITE  
 22> (18)  
 23> Xaa equals any of the naturally occurring L-amino acids

100> 514  
 er Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg  
 1 5 10 15  
 er Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile  
 20 25 30  
 yr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln  
 35 40 45

210> 515  
 211> 47  
 212> PRT  
 213> Homo sapiens

400> 515  
 ily Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys  
 1 5 10 15  
 leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp  
 20 25 30  
 leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val  
 35 40 45

<210> 516  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 516  
 Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe  
 1 5 10 15  
 Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly  
 20 25 30  
 Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu  
 35 40 45

<210> 517

10004860-120701



<211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 517  
 Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr  
           1                  5                  10                  15  
 Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu  
                   20                  25                  30  
 Val Thr Asn Arg Tyr Leu  
                   35

<210> 518  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens  
 <400> 518  
 Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys Glu Tyr  
           1                  5                  10                  15  
 Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr Ala Pro  
                   20                  25                  30  
 Ser Ala

<210> 519  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens  
 <400> 519  
 Asn Arg Tyr Tyr Arg Glu Ser Trp Ser Leu Gln Val Pro Val Arg Asn  
           1                  5                  10                  15  
 Ser Gly Ser Thr His Ala Ser Glu Arg Asn Gly Ala Ser Gly Pro Arg  
                   20                  25                  30  
 Pro Gly Leu Arg Arg Leu Arg Gly Gly Arg Arg Ala Val Arg Arg Lys  
                   35                  40                  45  
 Glu Arg Leu Leu His Arg Gln Leu Pro Ala Val His Lys Arg  
           50                  55                  60

<210> 520  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro  
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr Asp Ser  
20 25 30

Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu Leu Val  
35 40 45

Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr Leu Pro  
50 55 60

Pro Ser  
65

<210> 521

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro  
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr  
20 25 30

<210> 522

<211> 36

<212> PRT

<213> Homo sapiens

<400> 522

Asp Ser Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu  
1 5 10 15

Leu Val Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr  
20 25 30

Leu Pro Pro Ser  
35

<210> 523

<211> 156

<212> PRT

<213> Homo sapiens

10004360 120701

&lt;400&gt; 523

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile  
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe  
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro  
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys  
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu  
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn  
 85 90 95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile  
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe  
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala  
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg  
 145 150 155

&lt;210&gt; 524

&lt;211&gt; 176

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 524

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu  
 1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln  
 20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr Glu Ser  
 35 40 45

Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser Leu Asn  
 50 55 60

Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu Ala Trp  
 65 70 75 80

Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg Ser Glu  
 85 90 95

Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser  
 100 105 110

10004860-LEU-111

Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile  
 115 120 125

Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn Gln  
 130 135 140

Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp Ser  
 145 150 155 160

Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly Lys  
 165 170 175

<210> 525  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 525  
 Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile  
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe  
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro  
 35 40 45

Lys

<210> 526  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 526  
 Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys Ser  
 1 5 10 15

Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu Lys  
 20 25 30

Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn Phe  
 35 40 45

Tyr

<210> 527  
 <211> 28  
 <212> PRT

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<213> Homo sapiens

<400> 527

Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile Asp Val  
1 5 10 15

Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala  
20 25

<210> 528

<211> 30

<212> PRT

<213> Homo sapiens

<400> 528

Tyr Phe Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp  
1 5 10 15

Val Ala Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg  
20 25 30

<210> 529

<211> 46

<212> PRT

<213> Homo sapiens

<400> 529

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu  
1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln  
20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr  
35 40 45

<210> 530

<211> 50

<212> PRT

<213> Homo sapiens

<400> 530

Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser  
1 5 10 15

Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu  
20 25 30

Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg  
35 40 45

Ser Glu  
50

10004860-120701

<210> 531  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 531  
 Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser  
   1                  5                  10                  15  
 Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile  
                   20                  25                  30  
 Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn  
           35                  40                  45

<210> 532  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 532  
 Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp  
   1                  5                  10                  15  
 Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly  
           20                  25                  30  
 Lys

<210> 533  
 <211> 324  
 <212> PRT  
 <213> Homo sapiens

<400> 533  
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu  
   1                  5                  10                  15  
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu  
           20                  25                  30  
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly  
           35                  40                  45  
 Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly  
           50                  55                  60  
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser  
   65                  70                  75                  80  
 Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly  
           85                  90                  95  
 Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro  
           100                  105                  110

10004360 120701

Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys  
 115 120 125  
 Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly  
 130 135 140  
 Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser  
 145 150 155 160  
 Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln  
 165 170 175  
 Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu  
 180 185 190  
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly  
 195 200 205  
 Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala  
 210 215 220  
 Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn  
 225 230 235 240  
 Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly  
 245 250 255  
 His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe Pro Ala  
 260 265 270  
 Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly Pro Ala Pro Gln  
 275 280 285  
 Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser Leu Gln Asn Phe  
 290 295 300  
 Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro Pro Gly Ser Asn  
 305 310 315 320  
 Leu Arg Thr Thr

<210> 534  
 <211> 133  
 <212> PRT  
 <213> Homo sapiens

<400> 534  
 Ile Gln Asp Leu Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr  
 1 5 10 15  
 Thr Lys Leu Gly Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala  
 20 25 30  
 Pro Leu Ser Gly Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys  
 35 40 45

10004860-120701

Ser Ser Arg Ser Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly  
50 55 60

Asn Leu Ser Gly Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr  
65 70 75 80

Leu His Pro Pro Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu  
85 90 95

Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe  
100 105 110

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln  
115 120 125

Gly Thr Ser Ser Thr  
130

<210> 535

<211> 53

<212> PRT

<213> Homo sapiens

<400> 535

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln  
1 5 10 15

Gly Thr Ser Ser Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala  
20 25 30

Ala Gln Ala Gln Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe  
35 40 45

Thr Asp Asp Leu His  
50

<210> 536

<211> 48

<212> PRT

<213> Homo sapiens

<400> 536

Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala Arg Lys Phe Ser  
1 5 10 15

Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn Leu Gly Gly Ser  
20 25 30

Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly His Phe Thr Lys  
35 40 45

10004860-120701



<210> 537  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 537  
 Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe  
           1                  5                  10                  15  
 Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly  
                   20                  25                  30

<210> 538  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 538  
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu  
           1                  5                  10                  15  
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu  
                   20                  25                  30  
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly  
                   35                  40                  45  
 Lys Val Pro  
           50

<210> 539  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 539  
 Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly Arg Arg Arg  
           1                  5                  10                  15  
 Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser Ser Ser Leu  
                   20                  25                  30  
 Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly Gln Ser  
                   35                  40                  45

<210> 540  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 540  
 Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro Gly Asn  
           1                  5                  10                  15  
 Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys Pro Ser

10004660-120701

20

25

30

Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly Ala Ile  
 35 40 45

Ser Val  
 50

&lt;210&gt; 541

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 541

Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser Thr Asn Thr Val  
 1 5 10 15

Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln Pro Pro Ala Met  
 20 25 30

Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu  
 35 40

&lt;210&gt; 542

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 542

His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly  
 1 5 10 15

Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala  
 20 25 30

Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr  
 35 40 45

&lt;210&gt; 543

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 543

Ser Asn Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser  
 1 5 10 15

Leu Gly His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe  
 20 25 30

Pro Ala Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly  
 35 40 45

&lt;210&gt; 544

10004850-120701

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<400> 546
Met Glu Ile Asn Asn Gln Asn Cys Phe Ile Val Ile Asp Leu Val Arg
  1                      5                      10                      15
Thr Val Met Glu Asn Gly Val Glu Gly Leu Leu Ile Phe Gly Ala Phe
          20                      25                      30
Leu Pro Glu Ser Trp Leu Ile Gly Val Arg Cys Ser Ser Glu Pro Pro
      35                      40                      45

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Lys Ala Leu Leu Leu Ile Leu Ala His Ser Gln Lys Arg Arg Leu Asp  
 50 55 60

Gly Trp Ser Phe Ile Arg His Leu Arg Val His Tyr Cys Val Ser Leu  
 65 70 75 80

Thr Ile His Phe Ser  
 85

<210> 547  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 547  
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala  
 1 5 10 15

Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala  
 20 25 30

Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu Val Cys Thr  
 35 40 45

Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp Asn Ser Thr  
 50 55 60

Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly Cys Tyr Phe  
 65 70 75 80

Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu Ala Ala Gly  
 85 90 95

Gln Ser Ser Thr  
 100

<210> 548  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

10004360-12001

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids.

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 548  
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala  
           1                  5                  10                  15  
 Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala  
                   20                  25                  30  
 Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu  
           35                  40                  45

<210> 549  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 549  
 Val Cys Thr Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp  
           1                  5                  10                  15  
 Asn Ser Thr Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly  
                   20                  25                  30  
 Cys Tyr Phe Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu  
           35                  40                  45  
 Ala Ala Gly Gln Ser Ser Thr  
           50                  55

<210> 550  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 550  
 Gln Asp Lys His Ala Glu Glu Val Arg Lys Asn Lys Glu Leu Lys Glu  
           1                  5                  10                  15  
 Glu Ala Ser Arg  
                   20

10004560.120701

<210> 551  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 551  
 Gln Gln Asp Leu Ser Pro Trp Ala Ala Pro Val Gly Cys Pro Leu Xaa  
   1                  5                  10                  15

Xaa Ala Ser Xaa Thr Cys His Xaa Leu Pro Leu Ser Gly Cys Leu Arg  
           20                  25                  30

Arg Gln Ser Xaa Ser Leu Pro Val Val Ala Xaa Leu Cys Phe Trp Phe  
           35                  40                  45

Ser Cys Pro Leu Ala Ser Leu Phe Val Pro Gly Gln Pro Cys Val Thr  
   50                  55                  60

Cys Pro Phe Pro Ser Leu Pro Phe Gln Asp Lys His Ala Glu Glu Val  
   65                  70                  75                  80

Arg Lys Asn Lys Glu Leu Lys Glu Glu Ala Ser Arg  
           85                  90

<210> 552  
 <211> 37

10004660-10001

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 552  
 Pro Thr Arg Cys Cys Thr Thr Gln Pro Cys Arg Ser Ser Ala Arg Arg  
 1 5 10 15

Pro Cys Trp Val Pro Met Val Pro Ser Pro Glu Gly Arg Glu Xaa Gln  
 20 25 30

Pro Thr Cys Pro Ser  
 35

<210> 553  
 <211> 363  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (124)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (211)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 553  
 Met Lys Arg Ser Leu Asn Glu Asn Ser Ala Arg Ser Thr Ala Gly Cys  
 1 5 10 15

Leu Pro Val Pro Leu Phe Asn Gln Lys Lys Arg Asn Arg Gln Pro Leu  
 20 25 30

Thr Ser Asn Pro Leu Lys Asp Asp Ser Gly Ile Ser Thr Pro Ser Asp  
 35 40 45

Asn Tyr Asp Phe Pro Pro Leu Pro Thr Asp Trp Ala Trp Glu Ala Val  
 50 55 60

Asn Pro Glu Xaa Ala Pro Val Met Lys Thr Val Asp Thr Gly Gln Ile  
 65 70 75 80

Pro His Ser Val Ser Arg Pro Leu Arg Ser Gln Asp Ser Val Phe Asn  
 85 90 95

10004360-120701

Ser Ile Gln Ser Asn Thr Gly Arg Ser Gln Gly Gly Trp Ser Tyr Arg  
 100 105 110  
 Asp Gly Asn Lys Asn Thr Ser Leu Lys Thr Trp Xaa Lys Asn Asp Phe  
 115 120 125  
 Lys Pro Gln Cys Lys Arg Thr Asn Leu Val Ala Asn Asp Gly Lys Asn  
 130 135 140  
 Ser Cys Pro Met Ser Ser Gly Ala Gln Gln Gln Lys Gln Leu Arg Thr  
 145 150 155 160  
 Pro Glu Pro Pro Asn Leu Ser Arg Asn Lys Glu Thr Glu Leu Leu Arg  
 165 170 175  
 Gln Thr His Ser Ser Lys Ile Ser Gly Cys Thr Met Arg Gly Leu Asp  
 180 185 190  
 Lys Asn Ser Ala Leu Gln Thr Leu Lys Pro Asn Phe Gln Gln Asn Gln  
 195 200 205  
 Tyr Lys Xaa Gln Met Leu Asp Asp Ile Pro Glu Asp Asn Thr Leu Lys  
 210 215 220  
 Glu Thr Ser Leu Tyr Gln Leu Gln Phe Lys Glu Lys Ala Ser Ser Leu  
 225 230 235 240  
 Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp Arg Glu His  
 245 250 255  
 Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val Leu Asp Ser  
 260 265 270  
 Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu Met Arg Asp  
 275 280 285  
 Gly Lys Asn Thr Leu Pro Cys Val Phe Tyr Glu Ile Asp Arg Glu Leu  
 290 295 300  
 Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp  
 305 310 315 320  
 Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val  
 325 330 335  
 Ser Glu Gln Lys Thr Phe Gln Ala Phe Val Lys Ile Ala Asp Val Glu  
 340 345 350  
 Met Gln Tyr Tyr Ile Asn Val Met Asn Glu Thr  
 355 360

&lt;210&gt; 554

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

10004660-120701



<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 554

Ser Gln Asp Ser Val Phe Asn Ser Ile Gln Ser Asn Thr Gly Arg Ser  
1 5 10 15

Gln Gly Gly Trp Ser Tyr Arg Asp Gly Asn Lys Asn Thr Ser Leu Lys  
20 25 30

Thr Trp Xaa Lys Asn Asp Phe Lys Pro Gln Cys Lys Arg  
35 40 45

<210> 555

<211> 36

<212> PRT

<213> Homo sapiens

<400> 555

Asn Lys Glu Thr Glu Leu Leu Arg Gln Thr His Ser Ser Lys Ile Ser  
1 5 10 15

Gly Cys Thr Met Arg Gly Leu Asp Lys Asn Ser Ala Leu Gln Thr Leu  
20 25 30

Lys Pro Asn Phe  
35

<210> 556

<211> 49

<212> PRT

<213> Homo sapiens

<400> 556

Ser Ser Leu Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp  
1 5 10 15

Arg Glu His Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val  
20 25 30

Leu Asp Ser Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu  
35 40 45

Met

<210> 557

<211> 42

<212> PRT

<213> Homo sapiens

<400> 557

Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp  
1 5 10 15

10004860.120701

Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val  
                   20                                  25                                  30

Ser Glu Gln Lys Thr Phe Gln Ala Phe Val  
                   35                                  40

<210> 558

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (320)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (334)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (350)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (355)

<223> Xaa equals any of the naturally occurring L-amino acids

10004850-120701

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (360)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 558

Gly Val Phe Arg Pro Cys Val Cys Gly Arg Pro Ala Ser Leu Thr Cys  
 1 5 10 15

Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro Thr Met  
 20 25 30

Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro Val  
 35 40 45

His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys Thr  
 50 55 60

Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg Gly  
 65 70 75 80

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg  
 85 90 95

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val  
 100 105 110

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys  
 115 120 125

Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln Leu  
 130 135 140

Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val  
 145 150 155 160

Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His  
 165 170 175

Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg  
 180 185 190

Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr Val  
 195 200 205

Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu Val  
 210 215 220

Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met Leu  
 225 230 235 240

Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu Leu  
 245 250 255

Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met Phe  
 260 265 270

Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe Ser

10004360-12001

275

280

285

Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn Ala  
 290 295 300

Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys Xaa  
 305 310 315 320

Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr Ser Met Xaa Trp Thr  
 325 330 335

Xaa Arg Xaa Pro Xaa Asp Ala Arg Xaa Pro Val Val Gly Xaa Arg Xaa  
 340 345 350

Ile Gln Xaa Leu Lys Asp His Xaa Pro Arg Met Val Leu Asp Ser Lys  
 355 360 365

Pro Gln  
 370

&lt;210&gt; 559

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 559

Thr Cys Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro  
 1 5 10 15

Thr Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser  
 20 25 30

Pro Val His Thr Thr Leu Ser  
 35

&lt;210&gt; 560

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 560

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg  
 1 5 10 15

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val  
 20 25 30

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys  
 35 40 45

Val Phe Gly Ser Lys Phe  
 50

&lt;210&gt; 561

&lt;211&gt; 52

10004350.120701

<212> PRT  
 <213> Homo sapiens

<400> 561

Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp  
 1 5 10 15

Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg  
 20 25 30

Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp  
 35 40 45

Ser Glu Asp Glu  
 50

<210> 562

<211> 56

<212> PRT

<213> Homo sapiens

<400> 562

His Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln  
 1 5 10 15

Lys Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu  
 20 25 30

His Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr  
 35 40 45

Pro Gly Thr Asp Gln Leu Gly Met  
 50 55

<210> 563

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 563

Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro  
 1 5 10 15

Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu  
 20 25 30

Asp Pro Lys Xaa Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr  
 35 40 45

<210> 564

100040001

<211> 152  
 <212> PRT  
 <213> Homo sapiens

<400> 564

Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg  
 1 5 10 15

Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val  
 20 25 30

Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser  
 35 40 45

Tyr Phe Leu Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr  
 50 55 60

Gly Lys Glu Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile  
 65 70 75 80

Ala Arg Ile Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro  
 85 90 95

Leu Ser Ser Val Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly  
 100 105 110

Ile Arg Val Val Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln  
 115 120 125

Lys Glu Arg Ala Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala  
 130 135 140

Ala Gln Glu Glu Ala Ala Lys Lys  
 145 150

<210> 565  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 565

Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg  
 1 5 10 15

Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val  
 20 25 30

Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser  
 35 40 45

Tyr Phe Leu  
 50

<210> 566  
 <211> 49  
 <212> PRT

10004860-120701

<213> Homo sapiens

<400> 566

Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu  
1 5 10 15

Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile Ala Arg Ile  
20 25 30

Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro Leu Ser Ser  
35 40 45

Val

<210> 567

<211> 52

<212> PRT

<213> Homo sapiens

<400> 567

Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val  
1 5 10 15

Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala  
20 25 30

Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu  
35 40 45

Ala Ala Lys Lys  
50

<210> 568

<211> 270

<212> PRT

<213> Homo sapiens

<400> 568

Ala Val Tyr Thr Tyr His Glu Lys Lys Lys Asp Thr Ala Ala Ser Gly  
1 5 10 15

Tyr Gly Thr Gln Asn Ile Arg Leu Ser Arg Asp Ala Val Lys Asp Phe  
20 25 30

Asp Cys Cys Cys Leu Ser Leu Gln Pro Cys His Asp Pro Val Val Thr  
35 40 45

Pro Asp Gly Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu  
50 55 60

His Gln Lys Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln  
65 70 75 80

Arg Gly Thr Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser  
85 90 95

1000430-12001

Gln Asp His Val Arg Gly Phe Leu Glu Lys Glu Ser Ala Ile Val Ser  
100 105 110

Arg Pro Leu Asn Pro Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro  
115 120 125

Asp Asp Val Gln Pro Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys  
130 135 140

Asp Lys Val Leu Pro Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala  
145 150 155 160

Lys Ala Thr Lys Leu Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met  
165 170 175

Ser Gly Lys Pro Leu Arg Met Ser Asp Leu Thr Pro Val His Phe Thr  
180 185 190

Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile Thr Arg Ser Glu  
195 200 205

Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro  
210 215 220

Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr Leu Glu Cys Val  
225 230 235 240

Glu Lys Leu Ile Arg Lys Asp Met Val Asp Pro Val Thr Gly Asp Lys  
245 250 255

Leu Thr Asp Arg Asp Ile Ile Val Leu Gln Arg Gly Gly Thr  
260 265 270

<210> 569

<211> 54

<212> PRT

<213> Homo sapiens

<400> 569

Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu His Gln Lys  
1 5 10 15

Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln Arg Gly Thr  
20 25 30

Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser Gln Asp His  
35 40 45

Val Arg Gly Phe Leu Glu  
50

<210> 570

<211> 64

<212> PRT

<213> Homo sapiens

10004360-120701



&lt;400&gt; 570

Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro Asp Asp Val Gln Pro  
 1 5 10 15

Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys Asp Lys Val Leu Pro  
 20 25 30

Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala Lys Ala Thr Lys Leu  
 35 40 45

Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met Ser Gly Lys Pro Leu  
 50 55 60

&lt;210&gt; 571

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 571

Val His Phe Thr Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile  
 1 5 10 15

Thr Arg Ser Glu Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser  
 20 25 30

Asn Ala Thr Pro Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr  
 35 40 45

Leu Glu Cys Val Glu Lys Leu Ile  
 50 55

&lt;210&gt; 572

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 572

Met Ser Asp Leu Thr Pro Val His Phe Thr Pro Leu Asp Ser Ser Val  
 1 5 10 15

Asp Arg Val Gly Leu Ile Thr Arg Ser Glu Arg Tyr Val Cys Ala Val  
 20 25 30

Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro Cys Ala Val Leu Arg Pro  
 35 40 45

Ser Gly Ala Val Val Thr Leu Glu Cys Val Glu Lys Leu Ile Arg Lys  
 50 55 60

Asp Met  
 65

10004660-120701

<210> 573  
 <211> 567  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (409)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 573

Met Asp Thr Ser Glu Asn Arg Pro Glu Asn Asp Val Pro Glu Pro Pro  
 1 5 10 15

Met Pro Ile Ala Asp Gln Val Ser Asn Asp Asp Arg Pro Glu Gly Ser  
 20 25 30

Val Glu Asp Glu Glu Lys Lys Glu Ser Ser Leu Pro Lys Ser Phe Lys  
 35 40 45

Arg Lys Ile Ser Val Val Ser Ala Thr Lys Gly Val Pro Ala Gly Asn  
 50 55 60

Ser Asp Thr Glu Gly Gly Gln Pro Gly Arg Lys Arg Arg Trp Gly Ala  
 65 70 75 80

Ser Thr Ala Thr Thr Gln Lys Lys Pro Ser Ile Ser Ile Thr Thr Glu  
 85 90 95

Ser Leu Lys Ser Leu Ile Pro Asp Ile Lys Pro Leu Ala Gly Gln Glu  
 100 105 110

Ala Val Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu  
 115 120 125

Thr Glu Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile  
 130 135 140

Cys Arg Thr Val Thr Gln Val Val Pro Ala Glu Gly Gln Glu Asn Gly  
 145 150 155 160

Gln Arg Glu Glu Glu Glu Glu Lys Glu Pro Glu Ala Glu Pro Pro  
 165 170 175

Val Pro Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu  
 180 185 190

His Glu Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser  
 195 200 205

Ile Ser Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val  
 210 215 220

Arg Thr Ala Gln Val Pro Ser Pro Pro Arg Gly Lys Ile Ser Asn Ile  
 225 230 235 240

Val His Ile Ser Asn Leu Val Arg Pro Phe Thr Leu Gly Gln Leu Lys

10004860-120701

	245		250		255
Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe Trp Ile	260	265	270		
Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val Glu Glu	275	280	285		
Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro Gln Ser	290	295	300		
Asn Pro Lys Phe Leu Cys Ala Asp Tyr Ala Glu Gln Asp Glu Leu Asp	305	310	315	320	
Tyr His Arg Gly Leu Leu Val Asp Arg Pro Ser Glu Thr Lys Thr Glu	325	330	335		
Glu Gln Gly Ile Pro Arg Pro Leu His Pro Pro Pro Pro Pro Pro Val	340	345	350		
Gln Pro Pro Gln His Pro Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala	355	360	365		
Val Arg Glu Gln Trp Ala Glu Arg Glu Arg Glu Met Glu Arg Arg Glu	370	375	380		
Arg Thr Arg Ser Glu Arg Glu Trp Asp Arg Asp Lys Val Arg Glu Gly	385	390	395	400	
Pro Arg Ser Arg Ser Arg Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala	405	410	415		
Lys Ser Lys Glu Lys Lys Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu	420	425	430		
Pro Pro Ala Lys Leu Leu Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala	435	440	445		
Pro Cys Ile Tyr Trp Leu Pro Leu Thr Asp Ser Gln Ile Val Gln Lys	450	455	460		
Glu Ala Glu Arg Ala Glu Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys	465	470	475	480	
Glu Gln Glu Glu Glu Glu Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg	485	490	495		
Glu Arg Asn Arg Gln Leu Glu Arg Glu Lys Arg Arg Glu His Ser Arg	500	505	510		
Glu Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Arg Asp Arg Gly Asp	515	520	525		
Arg Asp Arg Asp Arg Glu Arg Asp Arg Glu Arg Gly Arg Glu Arg Asp	530	535	540		
Arg Arg Asp Thr Lys Arg His Ser Arg Ser Arg Ser Arg Ser Thr Pro	545	550	555	560	

10004360-120701

Ser Ser Leu Pro Lys Ser Phe Lys Arg Lys Ile Ser Val Val Ser Ala  
          35                    40                    45

Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile Cys Arg  
20 25 30

Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser Ile Ser  
20 25 30

Ala Gln Val Pro Ser Pro Pro  
50 55

<210> 577  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 577  
 Leu Lys Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe  
   1                  5                  10                  15  
 Trp Ile Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val  
                   20                  25                  30  
 Glu Glu Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro  
                   35                  40                  45  
 Gln Ser Asn Pro Lys Phe Leu  
           50                  55

<210> 578  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 578  
 Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro Arg  
   1                  5                  10                  15  
 Pro Leu His Pro Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His Pro  
                   20                  25                  30  
 Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp Ala  
                   35                  40                  45  
 Glu Arg Glu Arg Glu  
           50

<210> 579  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 579  
 Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser Arg  
   1                  5                  10                  15  
 Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys Lys  
                   20                  25                  30  
 Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu Leu  
                   35                  40                  45

10004960-100701

Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro  
50 55

<210> 580

<211> 64

<212> PRT

<213> Homo sapiens

<400> 580

Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala Glu  
1 5 10 15

Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu  
20 25 30

Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln Leu  
35 40 45

Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu Arg  
50 55 60

<210> 581

<211> 32

<212> PRT

<213> Homo sapiens

<400> 581

Leu Asp Val Pro Leu Ala Ser Arg Ser Pro Glu Phe Pro Leu Pro Leu  
1 5 10 15

Met Thr Gln Ser Glu Leu Pro Arg Cys Pro Pro His Pro Gly Ala Arg  
20 25 30

<210> 582

<211> 15

<212> PRT

<213> Homo sapiens

<400> 582

Leu Ala Thr Leu Ser Ile Ser Pro Ile Trp Ser Val Leu Ser Leu  
1 5 10 15

<210> 583

<211> 51

<212> PRT

<213> Homo sapiens

10004360-120701

&lt;400&gt; 583

Gly Cys Asp Ser Cys Pro Pro His Leu Pro Arg Glu Ala Phe Ala Gln  
 1 5 10 15

Asp Thr Gln Ala Glu Gly Glu Cys Ser Ser Arg Ala Glu Arg Ala Asp  
 20 25 30

Met Cys Pro Asp Ala Pro Pro Ser Gln Glu Val Pro Glu Gly Pro Gly  
 35 40 45

Ala Ala Pro  
 50

&lt;210&gt; 584

&lt;211&gt; 91

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 584

Arg Gly Trp Leu Pro Ser Ser Cys Leu Ser Cys Ala Leu Arg Val Cys  
 1 5 10 15

Pro Asp Ser Ser Ser Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp  
 20 25 30

Leu Pro Gly Ala Ser Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu  
 35 40 45

Asp Glu Asp Thr Asp Thr Asp Glu Tyr Lys Glu Ala Lys Ala Ser Ile  
 50 55 60

Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro Asn Pro Met Glu  
 65 70 75 80

Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala  
 85 90

&lt;210&gt; 585

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 585

Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp Leu Pro Gly Ala Ser  
 1 5 10 15

Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu  
 20 25

&lt;210&gt; 586

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 586

10004560-120701

Pro Gln Leu Pro Ser Cys Gly Arg Pro Trp Pro Gly Thr Ala Ser Val  
1 5 10 15

Phe Gln Ser His Thr Gln Gly Pro Arg Glu Asp Pro Asp Pro Cys Arg  
20 25 30

Ala Gln Gly Ser Ala Gly Thr His Cys Pro Ile Ser Leu Ser Pro Pro  
35 40 45

Arg Gln  
50

<210> 587

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 587

Lys Thr His Pro Arg Ala Leu Trp Ser Ala Gly Pro Ser Cys Ala Leu  
1 5 10 15

Cys Pro Gly Gly Ser Gly Xaa Thr Ser Pro Pro Gln Gly Ala Pro Arg  
20 25 30

Gly Ile Xaa Trp Asp Arg Cys Pro Gln Ile Gln Val Leu Glu Gly Gln  
35 40 45

Arg Val Arg Phe Pro Ser Gln Pro Gln His Pro Ser His Leu Ala Pro  
50 55 60

Arg Gly Gly Cys Gly Trp Arg Pro Asp Ser Arg Pro Leu Leu Pro Thr  
65 70 75 80

Pro Ser Gly Leu Ser Ser Phe Phe Pro Leu Asp Ala Gln Cys Trp Pro  
85 90 95

Trp Arg Thr Val Ser Trp Arg  
100

<210> 588

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

10004960.12001



<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 588

Ala	Gly	Ala	Pro	Gly	Gln	Gln	Ala	Arg	Leu	Gln	Tyr	Leu	Leu	Ser	Phe
1				5					10					15	

Gln	Gly	Glu	Gly	Ala	Pro	His	Glu	Xaa	Gly	Ala	Thr	Gly	Glu	Gly	Gly
			20					25					30		

Asp	Gly	Ala	Trp	Glu	Ala	Cys	Xaa	Cys	Xaa	Arg	Cys	Leu	Leu	Asn	Trp
		35					40					45			

Gln	Ala	Gly	Gly	Trp	Gly	Leu	Gln	Leu	Ser	Leu	Met	Trp	Leu	His	Arg
	50					55					60				

Gly	Pro	Leu	Arg	Pro	Pro	Gly	Val	Arg	Trp	Thr	Pro	Trp	Ala	Phe	Leu
65					70					75					80

Glu	Ala	Cys	Ser	Trp	Gly	Pro	Ala	Leu	Ser	Leu	Leu	Gly	Ser	Gly	His
				85					90					95	

Ser	Leu	Pro	Gly	Thr	His	Glu	Gln	Ala	Ala	Trp	Ser	Arg	Gly	Cys	Gly
			100					105					110		

Gln	His	Gly	Gln	Ser	Pro	Thr	Gln	Lys	Cys	Lys	Ser	Ser	Lys	Glu	Pro
		115					120					125			

Leu	Ala	Gln	Ala	Pro	Pro	Trp	Asp	Ser	Pro	Ala	Ala	Pro	Pro	His	Gln
	130					135					140				

Gly	Phe	Ala	Asp	Val	Leu	Glu	Arg	Pro	Thr	Leu	Glu	Pro	Phe	Gly	Val
145					150					155					160

Leu	Ala	Pro	Pro	Val	Pro	Ser	Ala	Leu	Val	Glu	Ala	Ala	Xaa	Gln	Val
				165					170					175	

Leu	Leu	Arg	Glu	Pro	Gln	Gly	Gly	Phe	Xaa	Gly	Thr	Ala	Ala	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

10004360-120701

180

185

190

Ser Arg Cys Trp Lys Gly Ser Gly  
195 200

&lt;210&gt; 589

&lt;211&gt; 145

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (125)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (142)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 589

Met Gln Leu Leu Phe Leu Leu Pro His Pro Ser Pro Gln Leu His Ala  
1 5 10 15

Ser Leu Pro His Ser Ala Ala Leu Pro Cys Pro Arg Gly Glu Ser Leu  
20 25 30

Thr Thr Ala Ser Pro Ala Gly Ala Ala Gly Arg Xaa Asp Ala Val Pro  
35 40 45

Arg Cys Arg His Gln Ala Gly Arg Gly Trp Val Pro Arg Gly Pro Cys  
50 55 60

Glu Arg Gly Gly Gly Asp Arg Gly Lys Pro Arg Ala Val Ala Trp Asp  
65 70 75 80

Xaa Gly Ser Leu Arg Trp Ala Val Trp Ser Ala Arg Ala Gly Gln Gly  
85 90 95

Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr  
100 105 110

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg Xaa Gly Arg Arg  
115 120 125

Gly Arg Gly Val Met Val Pro Gly Lys Pro Ala Cys Ala Xaa Gly Ala  
130 135 140

10004360-120701

Cys  
145

<210> 590  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 590  
Gln His Pro Ser His Leu Ala Pro Arg Gly Gly Cys Gly Trp Arg Pro  
1 5 10 15

Asp Ser Arg Pro Leu Leu Pro Thr Pro Ser Gly Leu Ser Ser Phe Phe  
20 25 30

Pro Leu

<210> 591  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 591  
Gly Val Arg Trp Thr Pro Trp Ala Phe Leu Glu Ala Cys Ser Trp Gly  
1 5 10 15

Pro Ala Leu Ser Leu Leu Gly Ser Gly His Ser Leu Pro Gly  
20 25 30

<210> 592  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 592  
Trp Asp Ser Pro Ala Ala Pro Pro His Gln Gly Phe Ala Asp Val Leu  
1 5 10 15

Glu Arg Pro Thr Leu Glu Pro Phe Gly Val Leu Ala  
20 25

<210> 593  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 593  
Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr  
1 5 10 15

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg  
20 25

10004360-120701

<210> 594  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 594  
 Pro Gly Phe Arg Gly Pro Ser Gly Ser Leu Gly Cys Ser Phe Phe Pro  
   1                  5                  10                  15  
 Arg Ser Leu Gly Arg Val Leu Pro Pro Gly Cys Gln Arg Pro Gly Ala  
                   20                  25                  30  
 His Ala Asp Ser Ser Pro Pro Pro Thr Pro  
                   35                  40

<210> 595  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<400> 595  
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys  
   1                  5                  10                  15  
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu  
                   20                  25                  30  
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln  
                   35                  40                  45  
 Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys  
                   50                  55                  60  
 Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys  
   65                  70                  75                  80  
 Val Leu Leu Ser

<210> 596  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 596  
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys  
   1                  5                  10                  15  
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu  
                   20                  25                  30  
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln  
                   35                  40                  45

10004560-10001

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys  
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys  
 65 70 75 80

Val Leu Leu Ser Asp Ser Asn Leu His Asp  
 85 90

<210> 597

<211> 34

<212> PRT

<213> Homo sapiens

<400> 597

Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys Ala Ser Cys Pro  
 1 5 10 15

Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys Val Leu Leu Ser  
 20 25 30

Asp Ser

<210> 598

<211> 25

<212> PRT

<213> Homo sapiens

<400> 598

Ser Cys Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys  
 1 5 10 15

Gly Leu Ala Glu Glu Leu Glu Lys Glu  
 20 25

<210> 599

<211> 21

<212> PRT

<213> Homo sapiens

<400> 599

Ser Gln Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe  
 1 5 10 15

Arg Cys Ala Ser Cys  
 20

<210> 600

<211> 17

<212> PRT

<213> Homo sapiens

<400> 600

10004390-120701

Arg Glu Ala Gly Gln Asn Ser Glu Arg Gln Tyr Val Ser Leu Ser Arg  
 1 5 10 15

Asp

<210> 601

<211> 16

<212> PRT

<213> Homo sapiens

<400> 601

Cys Cys Cys Val Ser Lys Asp Gln Gly Ile Met Gly Pro Gly Phe Arg  
 1 5 10 15

<210> 602

<211> 103

<212> PRT

<213> Homo sapiens

<400> 602

His Ser Val Thr Glu Leu Gln Thr Pro Ala Leu Ser Leu Ile Ser Ala  
 1 5 10 15

Met Leu Pro Pro Ser Cys Leu Ser Glu Leu Leu Val Tyr Ser Ile Leu  
 20 25 30

Cys Asp Thr Ser Gln Val Ala His Asn Leu Leu Arg Ala Pro Glu Asp  
 35 40 45

Ser Leu Thr Gly Cys Cys Asp Asp Ile Gln Cys Pro Ser Ala Pro Phe  
 50 55 60

His Pro Gln Pro His Leu Thr Val Ala Leu His Leu Cys Pro Val Val  
 65 70 75 80

Ile Tyr Val Asn Leu Gln Val Leu Asn Leu Leu His Ile Leu Thr Tyr  
 85 90 95

Leu Glu Ile Leu His Val Leu  
 100

<210> 603

<211> 24

<212> PRT

<213> Homo sapiens

<400> 603

Leu Leu Val Tyr Ser Ile Leu Cys Asp Thr Ser Gln Val Ala His Asn  
 1 5 10 15

Leu Leu Arg Ala Pro Glu Asp Ser

30004550-120701

20

<210> 604  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 604  
 Leu Thr Val Ala Leu His Leu Cys Pro Val Val Ile Tyr Val Asn Leu  
 1 5 10 15

Gln Val Leu Asn Leu Leu His Ile Leu Thr  
 20 25

<210> 605  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 605  
 Phe Phe Asn Ala Leu Tyr Val Phe Arg Lys Pro Gln Ala Ile Phe Asp  
 1 5 10 15

Ser Glu Lys Glu Asn Lys Arg Lys Asn Pro Thr Lys Tyr Asn Asn Pro  
 20 25 30

Leu Arg Tyr Ile Tyr Phe Lys Val Lys Leu Ile Phe Gln Phe Ile Pro  
 35 40 45

Leu Ala Asn Tyr Lys Ile Lys  
 50 55

<210> 606  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 606  
 Glu Ser Ser Gly Gln Ala Arg Thr Leu Ala Asp Pro Gly Pro Gly Trp  
 1 5 10 15

Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu Ser Thr  
 20 25 30

Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro Arg Leu  
 35 40 45

Ile Glu Ser Leu Ser Gln Met Leu Ser Met Gly Phe Ser Asp Glu Gly  
 50 55 60

Gly Trp Leu Thr Arg Leu Leu Gln Thr Lys Asn Tyr Asp Ile Gly Ala  
 65 70 75 80

Ala Leu Asp Thr Ile Gln Tyr Ser Lys His  
 85 90

10004860-10004860

<210> 607  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 607  
 Tyr Ser Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu  
   1                  5                  10                  15  
 Asp Gly Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala  
                   20                  25                  30  
 Ala Pro Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser  
                   35                  40                  45  
 Lys Ser Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser  
           50                  55                  60  
 Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu  
   65                  70                  75                  80  
 Glu Cys Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys  
                   85                  90                  95  
 Arg Cys Asp Arg  
                   100

<210> 608  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<400> 608  
 Leu Ser Pro Ser Pro Arg Cys Cys Pro Trp Ala Ser Leu Met Lys Ala  
   1                  5                  10                  15  
 Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met Thr Ser Glu Arg  
                   20                  25                  30  
 Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile Pro Arg Arg Cys Asp His  
           35                  40                  45  
 Phe Cys Pro Pro Leu Leu Arg Ala Pro Leu Leu Ser His Ser Cys Val  
   50                  55                  60  
 Lys Leu Ala  
   65

<210> 609  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 609

00004850 120701



Gly Trp Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu  
1 .5 10 15

Ser Thr Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro  
20 25 30

Arg Leu

<210> 610

<211> 33

<212> PRT

<213> Homo sapiens

<400> 610

Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro Asp  
1 5 10 15

Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser Cys  
20 25 30

Ser

<210> 611

<211> 25

<212> PRT

<213> Homo sapiens

<400> 611

Ser Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met  
1 5 10 15

Glu Glu Cys Asn Asn Trp Leu Thr Gly  
20 25

<210> 612

<211> 30

<212> PRT

<213> Homo sapiens

<400> 612

Leu Met Lys Ala Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met  
1 5 10 15

Thr Ser Glu Arg Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile  
20 25 30

<210> 613

<211> 152

<212> PRT

<213> Homo sapiens

<220>

10004860-120701

<221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 613  
 Ser Ser Ser Ser Pro Arg Arg Pro Arg Glu Leu Leu Gly Ser Leu Lys  
 1 5 10 15

Thr Pro Leu Val Arg Pro His Ser Ala Pro Leu Asp Leu Pro Gly Ser  
 20 25 30

Phe Cys Xaa His Thr Ala Asp Pro Met Gly Ala Leu His Thr Arg Phe  
 35 40 45

Trp Gly Arg Gln Thr Trp Ile His Arg Lys Leu Arg Leu His Gly Thr  
 50 55 60

Ser Arg Leu Ala Ser Lys Xaa Gly Ile Gln Phe Leu Arg Asn Pro Ser  
 65 70 75 80

Lys Thr His Thr Pro Arg Asp Ala Ala Phe Arg Asp Pro Gly Gln Thr  
 85 90 95

Pro Asp Pro Gln Ser Leu Gln Ala Pro Ser Pro Ser Lys Cys Ser Ala  
 100 105 110

Pro Asn Arg Ala Thr Ser Val Trp Ser Leu Lys Pro Arg Leu Leu Tyr  
 115 120 125

Lys His Arg Pro Ser Ser Asp Lys Thr Pro Pro Pro Gly Arg Gln Ala  
 130 135 140

Pro Leu Leu Phe Phe Ser Ala Gly  
 145 150

<210> 614  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 614  
 Phe Leu Arg Asn Pro Ser Lys Thr His Thr Pro Arg Asp Ala Ala Phe  
 1 5 10 15

Arg Asp Pro Gly Gln Thr Pro Asp Pro Gln Ser Leu Gln Ala  
 20 25 30

<210> 615  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

10004360-120701

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (155)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 615  
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val  
           1                  5                  10                  15  
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu  
                   20                  25                  30  
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His  
           35                  40                  45  
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile  
           50                  55                  60  
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala  
           65                  70                  75                  80  
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe  
                   85                  90                  95  
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met  
           100                  105                  110  
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val  
           115                  120                  125  
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly  
           130                  135                  140  
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp  
           145                  150                  155

<210> 616  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 616  
 Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val  
           1                  5                  10                  15  
 Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val  
           20                  25                  30  
 Ala Pro Val  
           35

10004660-120701

<210> 617  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 617  
 Asn Asp Pro Asp Val Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu  
           1                  5                  10                  15  
 Pro Leu Asp Pro Gly Asp Arg Val Ser  
                   20                  25

<210> 618  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 618  
 Phe His Val Val Lys Val Tyr Asn Arg Gln Thr  
           1                  5                  10

<210> 619  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 619  
 Ile Tyr Phe Asp Gln Val Leu Val Asn  
           1                  5

<210> 620  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 620  
 Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly  
           1                  5                  10                  15

Thr Cys Gly Leu Gln Ser Pro Ser Ala  
                   20                  25

<210> 621  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
 <220>

100044800-120701

> SITE  
 > (31)  
 > Xaa equals any of the naturally occurring L-amino acids

>  
 > SITE  
 > (34)  
 > Xaa equals any of the naturally occurring L-amino acids

>  
 > SITE  
 > (37)  
 > Xaa equals any of the naturally occurring L-amino acids

> 621

Met Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln  
                     5                    10                    15

Pro Met Gln Arg Gly Gly Ile Gly Ala Arg Gly Ser Xaa Xaa Pro  
                     20                    25                    30

Xaa Ala Val Xaa Gly Ala Arg Glu Gly Arg Arg Lys Leu Ser Gly  
                     35                    40                    45

Gly Phe Leu Cys Leu Lys Asp Leu Gly Pro Ser Glu Arg Glu Asp  
                     50                    55                    60

Glu Ala Arg Glu Thr  
                     70

.0> 622

.1> 27

.2> PRT

.3> Homo sapiens

.00> 622

: Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln Val  
 1                    5                    10                    15

: Met Gln Arg Gly Gly Ile Gly Ala Arg Gly  
                     20                    25

10> 623

11> 185

12> PRT

13> Homo sapiens

.00> 623

.n Ala Thr Cys Ser Ala Ser Gly Ser Pro Gly Gln Phe Gly Gly Cys  
 1                    5                    10                    15

ir Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly Gln Gly  
                     20                    25                    30

au Arg Arg Ser Gln Arg Pro Gly Gln Ser His Arg Pro Arg Ser Pro  
                     35                    40                    45

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Gly Pro Gly Arg Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro  
50 55 60

Leu Leu Ala His Gly Gly Gly Phe Gly Pro Gln Gln Met Pro Leu Ala  
65 70 75 80

Gln Gly Val Pro Leu Pro Gly Leu Leu Pro Arg Ala Pro Leu Gln Gln  
85 90 95

Leu Gly Gln Ala His Arg Pro Pro Gly Thr Pro Pro Pro Ala Gly Arg  
100 105 110

Ala Leu Thr Pro Pro Gly Pro Thr Arg Pro Pro Gly Pro Glu Ala Pro  
115 120 125

Glu Pro Arg Ala Ala Arg Asp Cys Val Gly Asp Leu Val Ala Ser Val  
130 135 140

Ala Trp Leu Pro Thr Trp Leu Arg Gly Ser Ala Thr His Lys Cys Pro  
145 150 155 160

Gly Leu Leu Pro Leu Phe Cys Phe Arg Ser Ser Pro Trp Ile Leu Thr  
165 170 175

Ala Gly Thr Leu Ile Val Cys Pro Leu  
180 185

<210> 624

<211> 25

<212> PRT

<213> Homo sapiens

<400> 624

Gly Cys Thr Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly  
1 5 10 15

Gln Gly Leu Arg Arg Ser Gln Arg Pro  
20 25

<210> 625

<211> 26

<212> PRT

<213> Homo sapiens

<400> 625

Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro Leu Leu Ala His  
1 5 10 15

Gly Gly Gly Phe Gly Pro Gln Gln Met Pro  
20 25

<210> 626

<211> 28

<212> PRT

10/02/01 09:50:01

<213> Homo sapiens

<400> 626

Asp Cys Val Gly Asp Leu Val Ala Ser Val Ala Trp Leu Pro Thr Trp  
1 5 10 15

Leu Arg Gly Ser Ala Thr His Lys Cys Pro Gly Leu  
20 25

<210> 627

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Asp Asp Arg Pro Arg Val Gln His Gln Ala His Leu Asp Ser Leu Ala  
1 5 10 15

Val Val His Leu His His Met Glu Pro Glu Ala Val Asp Thr Pro Asp  
20 25 30

Arg Gly Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val  
35 40 45

His Gln Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly  
50 55 60

Phe Pro Cys Trp Leu Met Val Val Ala Ser Asp Arg Xaa Lys Cys His  
65 70 75 80

Ser Pro Arg Gly Cys Leu Ser Gln Gly Cys Ser Pro Gly Pro Pro Cys  
85 90 95

Ser Ser Ser Ala Arg Leu Thr Asp His Gln Ala Leu Pro Leu Gln Gln  
100 105 110

Asp Gly Leu  
115

<210> 628

<211> 31

<212> PRT

<213> Homo sapiens

<400> 628

Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val His Gln  
1 5 10 15

Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly Phe  
20 25 30

10004560-120701

<210> 629  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 629  
 Met Ala Pro Leu Val Pro Leu Pro Val Ser Pro Ala Gly Ser Trp Trp  
           1                  5                  10                  15  
  
 Trp Leu Arg Thr Ala Xaa Asn Ala Thr Arg Pro Gly Gly Ala Ser Pro  
                   20                  25                  30  
  
 Arg Ala Ala Pro Pro Gly Pro Pro Ala Ala Ala Arg Pro Gly Ser Gln  
           35                  40                  45  
  
 Thr Thr Arg His Ser Pro Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp  
           50                  55                  60  
  
 Ala His Pro Ala Pro Arg Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro  
           65                  70                  75                  80  
  
 Gly Leu Cys Arg Gly Pro Gly Ser Gln Cys Gly Leu Ala Pro Asn Met  
                   85                  90                  95  
  
 Ala Glu Gly Leu Cys Asn Pro Gln Val Pro Arg Ser Ser Ala Pro Leu  
                   100                  105                  110  
  
 Leu Phe Pro Leu Leu Ser Leu Asp Ser His Arg Arg His Pro Asp Ser  
           115                  120                  125  
  
 Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu Ser Ile Pro Val Ser Gln  
           130                  135                  140  
  
 Leu Cys Pro Ala Ser His Ser Tyr Ser Cys Cys His Cys Ser Ser  
           145                  150                  155

<210> 630  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 630  
 Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp Ala His Pro Ala Pro Arg  
           1                  5                  10                  15  
  
 Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro Gly Leu Cys  
                   20                  25

<210> 631  
 <211> 27

1004560-120701



<212> PRT  
 <213> Homo sapiens

<400> 631  
 Arg Arg His Pro Asp Ser Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu  
           1                  5                  10                  15  
 Ser Ile Pro Val Ser Gln Leu Cys Pro Ala Ser  
                   20                  25

<210> 632  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 632  
 Ser Thr His Ala Ser Gly Pro Pro Ala Pro Glu Arg Leu Cys Leu Pro  
           1                  5                  10                  15  
 Glu Arg Gly Thr Ala Pro Trp Gly Arg Arg Ala Asn Asp Ala Ala  
                   20                  25                  30

<210> 633  
 <211> 181  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (84)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (165)  
 <223> Xaa equals any of the naturally occurring L-amino acids

10004560-10001

&lt;400&gt; 633

Val Arg Arg Trp Trp Leu Arg Thr Met Gly Ala Ala Ala His Cys Thr  
 1 5 10 15

Pro Glu Gln Arg Arg Pro Arg Arg Pro Ala Thr Ile Leu Gly Met Asp  
 20 25 30

Thr Gln Asn Ile Leu His Thr Arg Leu Ser Leu Cys Ser Leu Ser Trp  
 35 40 45

Val Ser Leu Ala Ser Ser Phe Xaa Xaa Leu Ala Xaa Arg Arg Lys Ala  
 50 55 60

Ile Val Val Gln Gln Lys Gln Ser Lys Ile Ser Lys Lys Lys Lys Val  
 65 70 75 80

Glu Lys Xaa Xaa Leu Asn Asp Ser Val Asn Glu Asn Ser Asp Thr Val  
 85 90 95

Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu Ala Asn Ala Asp Val  
 100 105 110

Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro  
 115 120 125

Val Thr Pro Ser Thr Pro Gly Ser Pro Pro Val Ser Pro Gly Leu Cys  
 130 135 140

His Gln Gly Gly Arg Gln Gly Ser Thr Ser Val Ala Ile Ile Cys Ile  
 145 150 155 160

Arg Trp Ala Val Xaa Ser Arg Gly Met Cys Val Ile Gly Val Gly Thr  
 165 170 175

Ser Gly Gly Thr Leu  
 180

&lt;210&gt; 634

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 634

Ile Met Lys Asn Glu Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala  
 1 5 10 15

Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro Val Thr Pro  
 20 25

&lt;210&gt; 635

&lt;211&gt; 143

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

10004660-120704

<222> (77)

<400> 635

Gly Gly Leu Thr Arg Asp Ala Ala Gln Gln His Val Thr Lys Ser Tyr  
20 25 30

Ser Pro Pro Tyr Leu Ser Gln Thr Ser His Ser Cys Leu Val Phe Gln  
35 40 45

Pro Val Leu Trp Pro Glu Tyr Thr Phe Trp Asn Leu Phe Glu Ala Ile  
50 55 60

Leu Gln Phe Gln Met Asn His Ser Val Leu Gln Gln Xaa Gly Pro Arg  
65 70 75 80

His Val Cys Arg Gly Ala Glu Glu Ala Ala Ala Gly Glu Gly Pro Gly  
85 90 95

Tyr Ser Asp Arg Ala Ala Ala Ala Arg Gly Ala Pro Ser Gln Trp Gly  
100 105 110

Arg Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly  
115 120 125

Arg Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln Ala Ser  
130 135 140

<210> 636

<211> 28

<212> PRT

<213> Homo sapiens

<400> 636

Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly Arg  
1 5 10 15

Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln  
20 25

<210> 637

<211> 85

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 637

Thr Ile Ala Cys Phe Ser Xaa Lys Ala Arg Asp Met Tyr Ala Glu Glu

1                      5                      10                      15

Arg Lys Arg Gln Gln Leu Glu Arg Asp Gln Ala Thr Val Thr Glu Gln  
20                      25                      30

Leu Leu Arg Glu Gly Leu Gln Ala Ser Gly Asp Ala Gln Leu Arg Arg  
35                      40                      45

Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg Val Gln Gly  
50                      55                      60

Phe Leu Gln Ala Leu Glu Leu Lys Arg Ala Asp Trp Leu Ala Arg Leu  
65                      70                      75                      80

Gly Thr Ala Ser Ala  
85

<210> 638  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 638  
Leu Arg Arg Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg  
1                      5                      10                      15

Val Gln Gly Phe Leu Gln Ala Leu Glu Leu Lys Arg  
20                      25

<210> 639  
<211> 112  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 639  
Lys Met Asn Ser Ile Pro Trp Gln Ile Pro Lys Ile Thr Pro Xaa Leu  
1                      5                      10                      15

Asp Ala Asn Leu Val Ile Val Glu Cys Lys Pro Leu Trp Phe Cys Ile  
20                      25                      30

Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln Val Phe Met Gly Phe  
35                      40                      45

Lys Ser Met Phe Phe Arg Ile Gly Lys Leu Asn Tyr Leu Phe Thr Ile  
50                      55                      60

Pro Tyr Cys Tyr Leu Phe Ile Asp Asn Ile Leu Gly Ile Phe Tyr Ser  
65                      70                      75                      80

Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln Arg Ile

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85

90

95

Phe Thr Cys Leu Leu Asn Leu Asn Leu Lys Ile His Ser Asn Leu Ala  
 100 105 110

&lt;210&gt; 640

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 640

Leu Trp Phe Cys Ile Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln  
 1 5 10 15

Val Phe Met Gly Phe Lys Ser Met Phe Phe Arg  
 20 25

&lt;210&gt; 641

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 641

Tyr Ser Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln  
 1 5 10 15

Arg Ile Phe Thr Cys Leu Leu Asn Leu Asn  
 20 25

&lt;210&gt; 642

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 642

Thr Phe Lys Leu Val Arg Phe Leu Glu  
 1 5

&lt;210&gt; 643

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 643

Pro Arg Ser Arg Pro Ala Leu Arg Pro Gly Arg Gln Arg Pro Pro Ser  
 1 5 10 15

His Ser Ala Thr Ser Gly Val Leu Arg Pro Arg Lys Lys Pro Asp Pro  
 20 25 30

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<210> 644  
 <211> 120  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (115)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 644  
 Arg Lys Ser Phe Ala Lys Pro Val Leu Trp Thr Asn Ala Ile Gln Ala  
           1                  5                  10                  15  
 Gly Arg Gly Arg Val Leu Cys Tyr Thr Arg Pro Pro Pro Ala Ser Ser  
                   20                  25                  30  
 Ser Phe Ser Ala Leu Val Pro Asp Gly Asn Arg Met Glu Gly Leu Arg  
           35                  40                  45  
 Thr Tyr Phe Leu Asn Ala Phe Asp Pro Gly Thr Asp Tyr Leu Tyr Leu  
           50                  55                  60  
 Phe Pro Phe Ser Phe Thr Val Thr Phe Gln His Cys Leu Thr Val Arg  
           65                  70                  75                  80  
 Trp Ala Phe Glu Ser Leu Gln Val Pro Gln Asn Arg Pro Glu Arg Trp  
                   85                  90                  95  
 Ala Ser His Pro Leu Pro Thr His Xaa Pro Ala Tyr Leu Pro Asp Asn  
                   100                  105                  110  
 Gln Val Xaa Met Ser Ala Ser Gly  
           115                  120

<210> 645  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 645  
 Gly Asn Arg Met Glu Gly Leu Arg Thr Tyr Phe Leu Asn Ala Phe Asp  
           1                  5                  10                  15  
 Pro Gly Thr Asp Tyr Leu Tyr Leu Phe  
           20                  25

<210> 646

10004860-12004

<211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 646  
 Phe Gln His Cys Leu Thr Val Arg Trp Ala Phe Glu Ser Leu Gln Val  
 1 5 10 15

Pro Gln Asn Arg Pro Glu Arg Trp Ala Ser His Pro Leu Pro  
 20 25 30

<210> 647  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 647  
 Met Thr Leu Ile Thr Pro Ser Xaa Lys Leu Thr Phe Xaa Lys Gly Asn  
 1 5 10 15

Lys Ser Trp Ser Ser Arg Ala Cys Ser Ser Thr Leu Val Asp Pro  
 20 25 30

<210> 648  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 648  
 Phe Leu Phe Leu His Ala Val Asp Pro Trp Pro Ser Asn Gly  
 1 5 10

<210> 649  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<400> 649  
 Trp Ser Cys Gln Ser Gly Val Phe Leu Val Phe Thr Gly Cys Ser Val  
 1 5 10 15

Leu Cys Gln Met Leu Ser Gly Ala Val Val Val Trp Arg Arg Ser Ala  
 20 25 30

Pro Glu Asp Ser Ala Val Trp Gln Ala Ser Ile Asn Lys Pro Arg Gly

10004860-12001

35

40

45

Lys Gly Arg His Gly Ile Lys Gly Glu Asn Thr Ser Val  
 50 55 60

&lt;210&gt; 650

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 650

Leu Val Phe Thr Gly Cys Ser Val Leu Cys Gln Met Leu Ser Gly Ala  
 1 5 10 15

Val Val Val Trp Arg Arg Ser Ala Pro Glu Asp Ser Ala Val Trp Gln  
 20 25 30

Ala Ser Ile  
 35

&lt;210&gt; 651

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 651

Gly His Pro Ser Pro Ala Leu Ser Ile Ala Pro Ser Asp Gly Ser Gln  
 1 5 10 15

Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala His Val Thr Arg Tyr  
 20 25 30

Cys Lys Lys Pro Leu Thr Asn Ser His Leu Glu Thr Glu Ala Gln Ser  
 35 40 45

Ser Ser Leu  
 50

&lt;210&gt; 652

&lt;211&gt; 151

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (131)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (145)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 652

Asn Asn Lys His Tyr Leu Ser Phe Cys Gly Ser Gly Phe Cys Pro Val

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1 5 10 15

Tyr Leu Gly Phe Thr Gly Leu Ala Ser His Gln Ala Val Lys Val Leu  
20 25 30

Val Val Ala Val Ile Ile Pro Arg Gln Asp Arg Glu Arg Ile Cys Leu  
35 40 45

Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly Cys Trp Thr Gly Pro  
50 55 60

Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe Tyr Asn Thr Leu Ser  
65 70 75 80

Arg Gly Pro Leu His Arg Ala Pro His His Met Ala Thr Gly Phe His  
85 90 95

Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg His  
100 105 110

Arg Ser Leu Leu Val Ala Ser Pro Gln Lys Arg Cys Tyr Phe Cys Cys  
115 120 125

Ile Leu Xaa Val Arg Ser Glu Ser Leu Gly Pro Gly Val Glu Phe Tyr  
130 135 140

Xaa Gly Val Asn Gly Arg Arg  
145 150

&lt;210&gt; 653

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 653

Glu Arg Ile Cys Leu Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly  
1 5 10 15

Cys Trp Thr Gly Pro Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe  
20 25 30

&lt;210&gt; 654

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 654

Ser Asp Gly Ser Gln Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala  
1 5 10 15

His Val Thr Arg Tyr Cys Lys Lys Pro Leu  
20 25

10004860-120701

<210> 655  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 655  
 His Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg  
           1                  5                  10                  15  
 His Arg Ser Leu Leu Val Ala Ser Pro Gln Lys  
                   20                  25

<210> 656  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 656  
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60  
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120  
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180  
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240  
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 657  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 657  
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60  
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120  
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180  
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240  
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 658  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 658  
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60

10004360-120701

GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120  
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180  
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240  
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 659  
 <211> 56  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 659  
 Phe Arg Ile Asn Arg Leu Thr Ile Gly Xaa Ala Val Ala Met Thr Arg  
 1 5 10 15  
 Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser  
 20 25 30  
 Asp Ser Val Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala  
 35 40 45  
 Arg Lys Gln Arg Asp Ser Glu Ile  
 50 55

<210> 660  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 660  
 Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys  
 1 5 10 15  
 Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly Lys Arg  
 20 25

<210> 661  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens

<400> 661  
 Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe  
 1 5 10 15  
 Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser  
 20 25 30

10004660-120701

Arg Lys Arg Gln Thr Arg Arg Arg Arg Asn Pro Ser Ser Phe Val Ala  
35 40 45

Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro  
50 55 60

Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp  
65 70 75 80

Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro  
85 90 95

Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly  
100 105 110

<210> 662

<211> 26

<212> PRT

<213> Homo sapiens

<400> 662

Leu Arg Glu Ser Ala Glu Met Thr Gly Phe Leu Leu Pro Pro Ala Ser  
1 5 10 15

Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser  
20 25

<210> 663

<211> 30

<212> PRT

<213> Homo sapiens

<400> 663

Val Val Leu Thr Gly Pro Ser Thr Asp Gly Ile Pro Phe Ala Leu Ser  
1 5 10 15

Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro Gln Val Ala  
20 25 30

<210> 664

<211> 59

<212> PRT

<213> Homo sapiens

<400> 664

Leu Leu Ser Thr Ser His Leu Leu Thr Gln Ser Tyr Ser Phe Asn Lys  
1 5 10 15

Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln Ser  
20 25 30

Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile Tyr  
35 40 45

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Val His Phe Ile Cys Thr Phe Leu Cys Asp Ile  
50 55

<210> 665  
<211> 32  
<212> PRT  
<213> Homo sapiens

<400> 665  
Lys Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln  
1 5 10 15

Ser Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile  
20 25 30

<210> 666  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 666  
TGGCTCACTG TCTTACAATC ACTGCTGTGG AATCATGATA CCACTTTTAG CTCTTTGCAT 60  
CTTCCTTCAG TGTATTTTGG TTTTTC AAGA GGAAGTAGAT TTAACTGGA CAACTTTGAG 120  
TACTGACATC ATTGATAAAT AAAGTGGCTT GTGGTTTCAA 160

<210> 667  
<211> 292  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (105)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667  
Leu Asp Glu Leu Met Ala His Leu Thr Glu Met Gln Ala Lys Val Ala  
1 5 10 15  
Val Arg Ala Asp Ala Gly Lys Lys His Leu Pro Asp Lys Gln Asp His  
20 25 30  
Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln  
35 40 45  
Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln  
50 55 60  
Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu Gly Gln Ser Trp His

10004360-120701

65	70	75	80
Pro Glu His Phe Val Cys Thr His Cys Lys Glu Glu Ile Gly Ser Ser	85	90	95
Pro Phe Phe Glu Arg Ser Gly Leu Xaa Tyr Cys Pro Asn Asp Tyr His	100	105	110
Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys Ala Ala Pro Ile Leu Asp	115	120	125
Lys Val Leu Thr Ala Met Asn Gln Thr Trp His Pro Glu His Phe Phe	130	135	140
Cys Ser His Cys Gly Glu Val Phe Gly Ala Glu Gly Phe His Glu Lys	145	150	155
Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro	165	170	175
Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala	180	185	190
Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe	195	200	205
Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe	210	215	220
Cys Glu Leu His Tyr His His Arg Arg Gly Thr Leu Cys His Gly Cys	225	230	235
Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe	245	250	255
His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys	260	265	270
Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln Pro Cys Phe	275	280	285
Asn Lys Leu Phe	290		

&lt;210&gt; 668

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 668

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln	1	5	10	15
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Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln	20	25	30
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Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu

1004560-12001

35

40

<210> 669  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 669  
 Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys  
 1 5 10 15  
 Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln Thr Trp  
 20 25 30  
 His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe Gly Ala  
 35 40 45  
 Glu Gly  
 50

<210> 670  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<400> 670  
 Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro  
 1 5 10 15  
 Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala  
 20 25 30  
 Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe  
 35 40 45  
 Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe  
 50 55 60  
 Cys Glu Leu  
 65

<210> 671  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<400> 671  
 Cys Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys  
 1 5 10 15  
 Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser  
 20 25 30  
 Lys Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln  
 35 40 45

10004260-120701

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 672																
His	Lys	Ser	Leu	Ala	Gly	Ala	Xaa	Val	Tyr	Thr	Thr	Asn	Ile	Gln	Glu	
1				5					10					15		
Leu	Asn	Val	Tyr	Ser	Glu	Ala	Gln	Glu	Pro	Lys	Glu	Ser	Pro	Pro	Pro	
			20					25					30			
Ser	Lys	Thr	Ser	Ala	Ala	Ala	Gln	Leu	Asp	Glu	Leu	Met	Ala	His	Leu	
		35					40					45				
Thr	Glu	Met	Gln	Ala	Lys	Val	Ala	Val	Arg	Ala	Asp	Ala	Gly	Lys	Lys	
	50					55					60					
His	Leu	Pro	Asp	Lys	Gln	Asp	His	Lys	Ala	Ser	Leu	Asp	Ser	Met	Leu	
65					70					75					80	
Gly	Gly	Leu	Glu	Gln	Glu	Leu	Gln	Asp	Leu	Gly	Ile	Ala	Thr	Val	Pro	
				85					90					95		
Lys	Gly	His	Cys	Ala	Ser	Cys	Gln	Lys	Pro	Ile	Ala	Gly	Lys	Val	Ile	
			100					105					110			
His	Ala	Leu	Gly	Gln	Ser	Trp	His	Pro	Glu	His	Phe	Val	Cys	Thr	His	
		115					120					125				
Cys	Lys	Glu	Glu	Ile	Gly	Ser	Ser	Pro	Phe	Phe	Glu	Arg	Ser	Gly	Leu	
	130					135					140					
Xaa	Tyr	Cys	Pro	Asn	Asp	Tyr	His	Gln	Leu	Phe	Ser	Pro	Arg	Cys	Ala	
145					150					155					160	
Tyr	Cys	Ala	Ala	Pro	Ile	Leu	Asp	Lys	Val	Leu	Thr	Ala	Met	Asn	Gln	
				165					170					175		
Thr	Trp	His	Pro	Glu	His	Phe	Phe	Cys	Ser	His	Cys	Gly	Glu	Val	Phe	
			180					185					190			
Gly	Ala	Glu	Gly	Phe	His	Glu	Lys	Asp	Lys	Lys	Pro	Tyr	Cys	Arg	Lys	
		195					200					205				
Asp	Phe	Leu	Ala	Met	Phe	Ser	Pro	Lys	Cys	Gly	Gly	Cys	Asn	Arg	Pro	



210 215 220

Val Leu Glu Asn Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu  
225 230 235 240

Cys Phe Val Cys Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly Ser Phe  
245 250 255

Phe Glu Leu Asp Gly Arg Pro Phe Cys Glu Leu His Tyr His His Arg  
260 265 270

Arg Gly Thr Leu Cys His Gly Cys Gly Gln Pro Ile Thr Gly Arg Cys  
275 280 285

Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val Cys Ala  
290 295 300

Phe Cys Leu Thr Gln Leu Ser Lys Gly Ile Phe Arg Glu Gln Asn Asp  
305 310 315 320

Lys Thr Tyr Cys Gln Pro Cys Phe Asn Lys Leu Phe Pro Leu  
325 330

<210> 673  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 673  
Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro Ser  
1 5 10 15

Lys Thr Ser Ala Ala Ala  
20

<210> 674  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 674  
Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile  
1 5 10 15

Ala Thr Val Pro Lys Gly His Cys Ala Ser  
20 25

<210> 675  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 675  
Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys  
1 5 10 15

10004860-100701

Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly  
20 25

<210> 676  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 676  
Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val  
1 5 10 15

Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys  
20 25

<210> 677  
<211> 127  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (87)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 677  
Pro Thr Arg Pro Val Leu Phe Phe Ser Thr Cys Gln Ser Cys Ser Ser  
1 5 10 15

Arg Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu  
20 25 30

Asp Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln Asp Ser Asp  
35 40 45

Glu Tyr Ser Asn Pro Ala Pro Leu Pro Leu Asp Gln His Ser Arg Lys  
50 55 60

Glu Thr Asn Leu Asp Glu Thr Ser Glu Ile Leu Ser Ile Gln Asp Asn  
65 70 75 80

Thr Ser Pro Leu Pro Ala Xaa Ser Cys Ile Leu Pro Ile Ser Arg Ser  
85 90 95

Ser Met Ser Thr Val Lys Pro Lys Ser Gln Arg Asn His His His Leu  
100 105 110

Leu Lys Arg Gln Gln Leu Leu Ser Trp Met Ser Ser Trp Leu Thr  
115 120 125

<210> 678  
<211> 28  
<212> PRT  
<213> Homo sapiens

10004850-12001

&lt;400&gt; 678

Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu Asp  
 1 5 10 15

Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln  
 20 25

&lt;210&gt; 679

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 679

Ser Cys Ile Leu Pro Ile Ser Arg Ser Ser Met Ser Thr Val Lys Pro  
 1 5 10 15

Lys Ser Gln Arg Asn  
 20

&lt;210&gt; 680

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 680

Trp His Pro Glu His Phe Val Cys Thr His Cys  
 1 5 10

&lt;210&gt; 681

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 681

Leu Phe Ser Pro Arg Cys  
 1 5

&lt;210&gt; 682

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 682

Pro Ile Leu Asp Lys Val  
 1 5

&lt;210&gt; 683

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 683

10004360.12001

Thr Trp His Pro Glu His Phe Phe  
1 5

<210> 684  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 684  
Glu Gly Phe His Glu Lys Asp  
1 5

<210> 685  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 685  
Lys Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu  
1 5 10

<210> 686  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 686  
Pro Ile Thr Gly Arg Cys Ile  
1 5

<210> 687  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 687  
His Pro Glu His Phe Val Cys  
1 5

<210> 688  
<211> 31  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688  
Arg Ile Tyr Cys Ser Glu Asp Thr Phe Ser Pro Xaa Ala Glu Ser Gly  
1 5 10 15

10004860 120701

Val Ser Trp Gln Ser Ser Val Ser Gln Leu Tyr Gln Asp Tyr Glu  
 20 25 30

<210> 689

<211> 452

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 689

Met Gly Ser Ser Gln Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly  
 1 5 10 15

Tyr His Val Leu Arg Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly  
 20 25 30

Leu Glu Pro Phe Phe Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu  
 35 40 45

Asn Lys Asp Asn Asp Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu  
 50 55 60

Lys Pro Val Lys Met Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg  
 65 70 75 80

Glu Thr Ser Val Thr Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu  
 85 90 95

Gly Val Ser Ile Arg Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val  
 100 105 110

Trp His Val Leu Glu Val Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly  
 115 120 125

Leu Arg Pro His Ser Asp Tyr Ile Ile Gly Ala Asp Thr Val Met Asn  
 130 135 140

Glu Ser Glu Asp Leu Phe Ser Leu Ile Glu Thr His Glu Ala Lys Pro  
 145 150 155 160

Leu Lys Leu Tyr Val Tyr Asn Thr Asp Thr Asp Asn Cys Arg Glu Val  
 165 170 175

Ile Ile Thr Pro Asn Ser Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys  
 180 185 190

Gly Ile Gly Tyr Gly Tyr Leu His Arg Ile Pro Thr Arg Pro Phe Glu  
 195 200 205

Glu Gly Lys Lys Ile Ser Leu Pro Gly Gln Met Ala Gly Thr Pro Ile  
 210 215 220

Thr Pro Leu Lys Asp Gly Phe Thr Glu Val Gln Leu Ser Ser Val Asn

10004560 120701

225                      230                      235                      240

Pro Pro Ser Leu Ser Pro Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu  
                                  245                      250                      255

Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val Leu  
                                  260                      265                      270

Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn Gln  
                                  275                      280                      285

Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro Gly  
                                  290                      295                      300

Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn Leu  
                                  305                      310                      315                      320

Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu Leu  
                                  325                      330                      335

Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu  
                                  340                      345                      350

Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe  
                                  355                      360                      365

Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu  
                                  370                      375                      380

Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr  
                                  385                      390                      395                      400

Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro  
                                  405                      410                      415

Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser  
                                  420                      425                      430

Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn Ala  
                                  435                      440                      445

Ser Glu Ser Pro  
                                  450

<210> 690

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 690

Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly Tyr His Val Leu Arg  
                                  1                      5                      10                      15

10004860-120701

<210> 692

<211> 145  
 <212> PRT  
 <213> Homo sapiens

<400> 692

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp  
 1 5 10 15  
 Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe  
 20 25 30  
 Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr  
 35 40 45  
 Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser  
 50 55 60  
 Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr  
 65 70 75 80  
 Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser  
 85 90 95  
 Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly  
 100 105 110  
 Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro  
 115 120 125  
 Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser  
 130 135 140  
 Ser  
 145

<210> 693  
 <211> 151  
 <212> PRT  
 <213> Homo sapiens

<400> 693

Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser Leu Pro  
 1 5 10 15  
 Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly Phe Thr  
 20 25 30  
 Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro Pro Gly  
 35 40 45  
 Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser Ser Thr  
 50 55 60  
 Pro Pro Ala Val Ser Ser Val Leu Ser Thr Gly Val Pro Thr Val Pro  
 65 70 75 80  
 Leu Leu Pro Pro Gln Val Asn Gln Ser Leu Thr Ser Val Pro Pro Met

10004860-12001



95.

<211> 10

<212> PRT  
 <213> Homo sapiens

<400> 696  
 Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro  
 1 5 10

<210> 697  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 697  
 Trp Gly Gly Gln Gly Leu Leu Gly  
 1 5

<210> 698  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 698  
 Arg Asn Gly Ala Leu Leu Asp Lys Asn Phe Phe Asn Ala Asn Ser His  
 1 5 10 15

Phe Pro Val Lys Gly Glu Arg Ile Arg Arg Arg  
 20 25

<210> 699  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 699  
 Arg Gly Ser Gly Phe Gly Trp Thr Ser Phe Pro Arg Pro Leu Pro Thr  
 1 5 10 15

Glu Leu Thr Cys Pro Gly Phe His Arg Glu Arg Ala Phe Pro Pro Asp  
 20 25 30

Gly Arg Val Arg Gly Val Arg Gly Trp Gly Ile Arg Arg Gly Cys Arg  
 35 40 45

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp  
 50 55 60

Arg Gly Ser Ala His Arg Ala Ser Gly Pro Ala Asp Leu Pro Val Ala  
 65 70 75 80

Cys Arg Xaa Glu Gly Gly Ala Asp Ser Pro Ser Leu Leu Pro Ser Pro

10004860.120701

95

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<210> 700
<211> 23
<212> PRT
<213> Homo sapiens
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<400> 700  
Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp  
1 5 10 15

Arg Gly Ser Ala His Arg Ala  
20

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<210> 701
<211> 77
<212> PRT
<213> Homo sapiens
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<400> 701  
Tyr Arg Pro Thr Met Glu Lys Met Lys Gln Val Val Thr Gln Thr Arg  
1 5 10 15

Trp Met Arg Pro Asp Ala Lys Arg Ala Asn Arg Arg His Arg Arg Ile  
20 25 30

Ser Gly Lys Ile Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser  
35 40 45

Arg Leu Leu Lys Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro Ser  
50 55 60

Arg Pro Pro Trp Met Val Ser His Ser Val Glu Ala Ser  
65 70 75

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<210> 702
<211> 27
<212> PRT
<213> Homo sapiens
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<400> 702  
Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser Arg Leu Leu Lys  
1 5 10 15

Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro  
20 25

```
<210> 703
<211> 93
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

10004360-120701

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 703

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser  
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Trp Ile Phe Gly Val Leu His Val Val His  
 35 40 45

Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln  
 50 55 60

Gly Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln  
 65 70 75 80

Glu Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys  
 85 90

&lt;210&gt; 704

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 704

Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val Val Thr Ala  
 1 5 10 15

Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe Ile Phe Leu  
 20 25 30

Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr Tyr Arg Leu  
 35 40 45

Phe Lys Asn Val Pro Cys Cys  
 50 55

&lt;210&gt; 705

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 705

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser  
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg  
 20 25

&lt;210&gt; 706

&lt;211&gt; 66

&lt;212&gt; PRT

10004860-120704

<213> Homo sapiens

<400> 706

Ile Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val  
1 5 10 15

Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu  
20 25 30

Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val  
35 40 45

His Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe  
50 55 60

Gln Gly  
65

<210> 707

<211> 32

<212> PRT

<213> Homo sapiens

<400> 707

Glu Val Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu  
1 5 10 15

Ala Leu Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His  
20 25 30

<210> 708

<211> 86

<212> PRT

<213> Homo sapiens

<400> 708

Thr Thr Ile Leu Arg Thr Cys Thr Ile Val Cys Phe Tyr Tyr Trp Phe  
1 5 10 15

Asn Gly Val Met Val Leu Leu Phe Phe Leu Asp Arg Asn Leu Leu Thr  
20 25 30

Phe Asn Gln Ala Ser Ile Met Pro Phe Ser Asn Thr Asp Phe Leu His  
35 40 45

Cys Leu Ser Phe Lys Lys Lys Leu Met Leu Leu Arg Tyr Ile Phe Tyr  
50 55 60

Val Val Leu Thr Gly Pro Thr Leu Ser Leu Lys Gly Asp Glu Asn Gln  
65 70 75 80

Ile Lys Asn Leu Phe Thr  
85

10004860.120701

<210> 709  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 709  
 Ile Val Cys Phe Tyr Tyr Trp Phe Asn Gly Val Met Val Leu Leu Phe  
 1 5 10 15  
 Phe Leu Asp Arg Asn Leu Leu  
 20

<210> 710  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 710  
 Leu Leu Arg Tyr Ile Phe Tyr Val Val Leu Thr Gly Pro Thr Leu Ser  
 1 5 10 15  
 Leu Lys Gly Asp Glu Asn Gln Ile  
 20

<210> 711  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 711  
 Ala Leu Thr Arg Ile Pro Pro Gly Asp Trp Val Ile Asn Val Thr Ala  
 1 5 10 15  
 Val Ser Phe Ala Gly Lys Thr Thr Ala Arg Phe Phe Xaa His Ser Ser  
 20 25 30  
 Pro Pro Ser Leu Gly Asp Gln Ala Arg Thr Asp Pro Gly His Gln Arg  
 35 40 45  
 Arg Asp  
 50

<210> 712  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 712  
 Ser Met Leu Leu Leu Phe Pro Leu Gln Glu Arg Pro Gln Gln Asp Ser  
 1 5 10 15  
 Phe Ile Arg Leu Leu Leu Ala Trp Gly Thr Arg Leu Glu Leu Thr Leu  
 20 25 30

10004850-120701

Asp Ile Lys Gly Gly Ile

35

<210> 713

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 713

Thr Gly Leu Trp Ala Asp Gly Phe Ser Ser His Ile Ile Pro Pro Leu  
1 5 10 15

Met Ser Arg Val Ser Ser Ser Leu Val Pro Gln Ala Arg Arg Arg Arg  
20 25 30

Met Lys Glu Ser Cys Cys Gly Leu Ser Cys Lys Gly Asn Ser Ser Asn  
35 40 45

Ile Asp Tyr Pro Val Thr Gly Arg Asn Ser Cys Glu Arg Ala Pro Leu  
50 55 60

Cys Ala Phe Ala Leu His Phe Gln Glu Arg Thr Xaa Ile Thr Gly Xaa  
65 70 75 80

Gly Glu Asp Pro Gly Pro Phe Gln Ser Xaa Gly Arg Val Thr Ala Ser  
85 90 95

Arg Xaa Thr Leu Ala Cys Ser His Val Ala Met Thr Pro Ala Gly Cys  
100 105 110

Xaa Gln Ala Leu Gly Thr Pro Ser Ser Tyr Cys Val Arg Lys Ala Pro

1000450-10001



115

120

125

Arg Ala  
130

<210> 714  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 714  
Gln Ala Arg Arg Arg Arg Met Lys Glu Ser Cys Cys Gly Leu Ser Cys  
1 5 10 15

Lys Gly Asn Ser Ser Asn Ile Asp Tyr Pro Val Thr  
20 25

<210> 715  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 715  
Leu Trp Arg Ser Ser Gly Val Glu Arg  
1 5

<210> 716  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 716  
Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp Tyr Glu  
1 5 10 15

Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu  
20 25

<210> 717  
<211> 110  
<212> PRT  
<213> Homo sapiens

<400> 717  
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys  
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln  
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu  
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His

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50

55

60

Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile Leu Ser  
65 70 75 80

Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys Lys Lys  
85 90 95

Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser  
100 105 110

&lt;210&gt; 718

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 718

TAGCATGTAG CCAATCGAAT AACNTATAAG GACAAAGTGG AGTCCACGCG TCGGCCCGTC 60

TAGACTAGTG GATCCCCCGG CTGCAGGATT CGGCACGAG 99

&lt;210&gt; 719

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 719

Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys  
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln  
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu  
35 40 45

Val Phe Lys  
50

&lt;210&gt; 720

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 720

Pro Val Arg Tyr Met Gln Pro His Arg Ser Ser Leu Cys Leu His Phe  
1 5 10 15

Thr Ser Tyr Val Phe Ile Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr

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20

25

30

Ser Thr Asp Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Val  
 35 40 45

Pro Ile Arg Pro Lys Ser  
 50

&lt;210&gt; 721

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 721

Gly Glu Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met  
 1 5 10 15

Arg Ala Thr His Cys Gln Ala Ala Arg Met Phe Val Leu Phe Ser Leu  
 20 25 30

Pro Lys Tyr Ala Gly Leu  
 35

&lt;210&gt; 722

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 722

Thr Ser Gly Ser Pro Gly Cys Arg Ile Arg His Glu Leu Pro Gly Glu  
 1 5 10 15

Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met Arg Ala  
 20 25 30

Thr His Cys Gln Ala Ala Arg  
 35

&lt;210&gt; 723

&lt;211&gt; 128

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 723

Glu Pro Pro Ile Ala Lys Gln Gln Glu Cys Ser Cys Phe Phe Pro Phe  
 1 5 10 15

Gln Asn Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys  
 20 25 30

Leu Cys Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser  
 35 40 45

Arg Gln Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln  
 50 55 60

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Asn Leu Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln  
 65 70 75 80

Pro His Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile  
 85 90 95

Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys  
 100 105 110

Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser  
 115 120 125

<210> 724  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 724  
 Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys Phe Ser Cys Pro Cys Ser  
 1 5 10 15

Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln Gly Gly Arg Arg Phe  
 20 25 30

<210> 725  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 725  
 Asn Gln Phe Thr Ser Cys Ile Leu Phe Cys Asp Gly Gly His Trp Arg  
 1 5 10 15

Glu Leu Leu Phe Gln Ser Ile  
 20

<210> 726  
 <211> 101  
 <212> PRT  
 <213> Homo sapiens

<400> 726  
 Ala Met Ser Ser Lys Leu Leu Asn Leu Leu Ala Leu Leu Gln Tyr Ser  
 1 5 10 15

Val His Asp His Cys His Pro Arg Arg Leu Leu Lys Arg Gly Ala Arg  
 20 25 30

Ala Thr Leu Arg His Lys Gly Trp Gly Pro Ser Ser Leu Arg Gly Cys  
 35 40 45

10004860-120701

Glu Ser Phe Gln Ile Val Leu Ile Gly Trp Gly Pro Asp Leu Ala Val  
50 55 60

Gly Phe Gly Arg Gly Lys Leu Leu Ser Arg Ser Leu Pro Val Arg His  
65 70 75 80

Gly Gly Val Ser Glu Phe Cys Leu Pro His Arg Asp Val Val Arg Leu  
85 90 95

Glu Lys Val Lys Lys  
100

<210> 727

<211> 33

<212> PRT

<213> Homo sapiens

<400> 727

Gly Pro Ser Ser Leu Arg Gly Cys Glu Ser Phe Gln Ile Val Leu Ile  
1 5 10 15

Gly Trp Gly Pro Asp Leu Ala Val Gly Phe Gly Arg Gly Lys Leu Leu  
20 25 30

Ser

<210> 728

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 728

Thr Arg Lys Asn Ile Asp Phe Xaa Glu Thr Glu Lys Tyr Tyr Leu Phe  
1 5 10 15

Ser Phe Ser Asn Asn Val Ser Phe Lys Asn Phe Trp Leu Lys Tyr Asn  
20 25 30

<210> 729

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

10004860-120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 729

Met	Pro	Arg	Lys	Thr	Ser	Lys	Cys	Arg	Gln	Leu	Leu	Cys	Ser	Gly	Ala
1				5					10					15	

Ser	Arg	Asn	Ala	Asp	Thr	Ala	Ala	Arg	Gln	Ser	Thr	Cys	Ser	Ser	His
		20						25					30		

Arg	Pro	Pro	Gly	Lys	Ile	Pro	Ser	Leu	Gly	Pro	Arg	Arg	Xaa	Pro	Gly
		35					40					45			

Cys	Xaa	Ser	Val	Pro	Ser	Ser	Arg	Gly	Glu	Gln	Ser	Thr	Gly	Ser	Pro
	50					55					60				

Ala	Ala	Pro	Arg	Cys	Gly	Arg	Arg	Asp	Ala	His	Arg	Gly	Leu	Pro	Gly
65					70					75				80	

Gly	Ala	Ala	Met	Thr	Pro	Gly	Asp	Thr	Trp	Ala	Ser	Phe	Asn	Pro	Arg
				85					90					95	

Ala	Gly	His	Ser	Lys	Ser	Gln	Gly	Glu	Gly	Gln	Glu	Ser	Ser	Gly	Ala
			100					105					110		

Ser	Arg	Gln	Asp	Arg	His	Pro	Val	Ser	His	Trp	Val	Glu	Arg	Gln	Arg
		115					120					125			

Glu	Ala	Trp	Gly	Ala	Pro	Arg	Ser	Ser	Ser	Ala	Gly	Gly	Val	Lys	Val
130						135					140				

Ala	Ala	Thr	Thr	Glu	Arg	Glu	Pro	Glu	Phe	Lys	Ile	Lys	Thr	Gly	Lys
145					150					155					160

Ala

<210> 730

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 730

100043501

Cys Ser Gly Ala Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr  
1 5 10 15

Cys Ser Ser His Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg  
20 25 30

Arg Xaa Pro Gly Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser  
35 40 45

Thr Gly Ser Pro Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg  
50 55 60

Gly Leu Pro Gly Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser  
65 70 75 80

Phe Asn Pro Arg Ala Gly His Ser  
85

<210> 731

<211> 59

<212> PRT

<213> Homo sapiens

<400> 731

Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala Ser Arg Gln Asp Arg His  
1 5 10 15

Pro Val Ser His Trp Val Glu Arg Gln Arg Glu Ala Trp Gly Ala Pro  
20 25 30

Arg Ser Ser Ser Ala Gly Gly Val Lys Val Ala Ala Thr Thr Glu Arg  
35 40 45

Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys Ala  
50 55

<210> 732

<211> 63

<212> PRT

<213> Homo sapiens

<400> 732

Ile Arg His Glu Gly Lys Arg Met Leu Asn Glu Ser Arg Lys Pro Leu  
1 5 10 15

Ser Phe Ala Ser Arg Leu Ser Ser Leu Tyr Phe Lys Leu Gly Phe Pro  
20 25 30

Phe Cys Gly Arg Ser Asn Leu Tyr Ser Thr Cys Thr Ala Ala Pro Gly  
35 40 45

Gly Ser Pro Gly Leu Pro Leu Pro Phe Tyr Pro Val Ala Asp Gly  
50 55 60

<210> 733

<211> 176  
 <212> PRT  
 <213> Homo sapiens.

<220>  
 <221> SITE  
 <222> (127)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 733

Thr Arg Ala Glu Ser Leu Phe Pro Leu Leu His Ala Phe Pro Val Phe  
 1 5 10 15

Ile Leu Asn Ser Gly Ser Leu Ser Val Val Ala Ala Thr Phe Thr Pro  
 20 25 30

Pro Ala Leu Leu Leu Leu Gly Ala Pro Gln Ala Ser Leu Cys Leu Ser  
 35 40 45

Thr Gln Trp Leu Thr Gly Cys Leu Ser Cys Leu Asp Ala Pro Leu Leu  
 50 55 60

Ser Cys Pro Ser Pro Trp Leu Leu Leu Cys Pro Ala Leu Gly Leu Lys  
 65 70 75 80

Leu Ala His Val Ser Pro Gly Val Met Ala Ala Pro Pro Gly Arg Pro  
 85 90 95

Leu Cys Ala Ser Arg Leu Pro His Leu Gly Ala Ala Gly Glu Pro Val  
 100 105 110

Leu Cys Ser Pro Arg Leu Leu Gly Thr Glu Leu Gln Pro Gly Xaa Leu  
 115 120 125

Arg Gly Pro Arg Leu Gly Ile Leu Pro Gly Gly Arg Trp Glu Glu Gln  
 130 135 140

Val Leu Cys Leu Ala Ala Val Ser Ala Phe Leu Asp Ala Pro Glu His  
 145 150 155 160

Arg Ser Cys Arg His Phe Glu Val Phe Leu Gly Met Cys Gln Ile Thr  
 165 170 175

<210> 734  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 734

Pro Ala Leu Gly Leu Lys Leu Ala His Val Ser Pro Gly Val Met Ala  
 1 5 10 15

Ala Pro Pro Gly Arg Pro Leu Cys Ala Ser Arg Leu Pro  
 20 25

10004550-120701



<210> 735  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 735  
 Gly Gly Arg Trp Glu Glu Gln Val Leu Cys Leu Ala Ala Val Ser Ala  
     1                    5                    10                    15

Phe Leu Asp Ala Pro Glu His Arg  
                     20

<210> 736  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 736  
 Ser Trp Pro Met Cys Pro Pro Glu Ser Trp Leu Leu Leu Gly Gly  
     1                    5                    10                    15

Leu Cys Val Arg His Val Phe His Thr Trp Gly Gln Leu Ala Ser Pro  
                     20                    25                    30

Cys Ser Val Pro Leu Gly Cys Leu Ala Gln Ser Cys Ser Leu Gly Xaa  
                     35                    40                    45

Ser Val Asp Pro Asp Trp Gly Phe Cys Gln Gly Gly Asp Gly Arg Ser  
                     50                    55                    60

Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe Trp Thr Pro Gln Ser  
     65                    70                    75                    80

Thr Glu Val Ala Gly Thr Leu Arg Ser Ser Ser Ala Cys Ala Arg Leu  
                     85                    90                    95

His Glu

<210> 737  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 737  
 Gly Asp Gly Arg Ser Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe  
     1                    5                    10                    15

Trp Thr Pro Gln Ser Thr Glu Val Ala Gly Thr Leu Arg

10004860-120701

25

<400> 738

<212> PRT

<213> Homo sapiens

<400> 739

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro  
1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser  
20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro  
35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln  
50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro  
65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro  
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly  
100 105 110

Asn Tyr

<210> 740

<211> 81

<212> PRT

<213> Homo sapiens

<400> 740

Leu Asn Ala Leu Gly Gly Pro Gly Met Pro Gly Met Asn Met Gly Pro  
1 5 10 15

Gly Gly Gly Arg Pro Trp Pro Asn Pro Thr Asn Ala Asn Ser Ile Pro  
20 25 30

Tyr Ser Ser Ala Ser Pro Gly Asn Tyr Val Gly Pro Pro Gly Gly Gly  
35 40 45

Gly Pro Pro Gly Thr Pro Ile Met Pro Ser Pro Ala Asp Ser Thr Asn  
50 55 60

Ser Gly Asp Asn Met Tyr Thr Leu Met Asn Ala Val Pro Pro Gly Pro  
65 70 75 80

Asn

<210> 741

<211> 70

<212> PRT

<213> Homo sapiens

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&lt;400&gt; 741

Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser His His Met Asn Gly  
 1 5 10 15

Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser Lys Asn Ser Pro Asn  
 20 25 30

Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro Arg Asp Asp Gly Glu  
 35 40 45

Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser Glu Ser Tyr Ser Pro  
 50 55 60

Ser Met Thr Met Ser Val  
 65 70

&lt;210&gt; 742

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 742

Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr  
 1 5 10

&lt;210&gt; 743

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 743

Arg Arg Glu Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp  
 1 5 10 15

Tyr Pro Phe

&lt;210&gt; 744

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 744

Thr Ile Thr Leu Phe Gln Ser Ala Trp Cys Phe Phe Ser Lys Tyr Cys  
 1 5 10 15

Thr Asp Phe Thr  
 20

&lt;210&gt; 745

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

10004860-120701

&lt;400&gt; 745

Val Arg Gly Cys Glu Asp Gly Gly Gly Gly Gly Ile Trp Gly Gly Trp  
 1 5 10 15

Trp Pro Gly Gln Gln Met Ala Pro Pro Trp Leu Ser Cys Pro His Arg  
 20 25 30

Gln Phe Pro His Phe His Ser Gly Arg Gln Arg Arg Gln Ser Asp Leu  
 35 40 45

Leu Lys Glu Glu Leu Pro Gln Pro Ser Gly Ala Ala Gly Arg Ala Ser  
 50 55 60

Gly Asn Lys Pro Tyr Thr Pro Pro Pro Ala Ser Asn Ser Leu Thr Leu  
 65 70 75 80

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln  
 85 90 95

Pro Ser Leu Asn Tyr Lys Asp Arg Gln  
 100 105

&lt;210&gt; 746

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 746

Pro Trp Leu Ser Cys Pro His Arg Gln Phe Pro His Phe His Ser Gly  
 1 5 10 15

Arg Gln Arg Arg Gln Ser Asp Leu Leu  
 20 25

&lt;210&gt; 747

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 747

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln  
 1 5 10 15

Pro Ser Leu Asn  
 20

&lt;210&gt; 748

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 748

Arg Asp Ser Ser Leu Trp Ala Ala Ala Leu Ser Phe Arg Gln Gln Cys  
 1 5 10 15

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Ser Ser Leu Ala Ser Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg  
20 25 30

Gln His Arg Ala Lys Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp  
35 40 45

Gly Arg Lys Val Asp Ala Val Val  
50 55

<210> 749

<211> 27

<212> PRT

<213> Homo sapiens

<400> 749

Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg Gln His Arg Ala Lys  
1 5 10 15

Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp  
20 25

<210> 750

<211> 86

<212> PRT

<213> Homo sapiens

<400> 750

Pro Glu His Gly Phe Ser Ser Cys Asp Phe Trp Glu Gly Ala Pro Ser  
1 5 10 15

Ser Gly Pro Lys Glu Gly Gly Arg Ser Pro Pro Gln Leu Ala Cys Val  
20 25 30

Trp Gly Met Asn Leu Ser Ser Pro Pro Cys Leu Ala Leu Leu Thr Asn  
35 40 45

Arg Ala Cys Leu Ala Val Asn Trp His Arg Val Thr Leu Phe Pro Gly  
50 55 60

Ile Gln Val Cys Asn Gln Asn Thr Gly Glu Glu Lys Leu Gln Asp Pro  
65 70 75 80

Cys Pro His Leu Ser Ser  
85

<210> 751

<211> 30

<212> PRT

<213> Homo sapiens

<400> 751

Arg Ser Pro Pro Gln Leu Ala Cys Val Trp Gly Met Asn Leu Ser Ser  
1 5 10 15

Pro Pro Cys Leu Ala Leu Leu Thr Asn Arg Ala Cys Leu Ala

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20

25

30

<210> 752  
 <211> 74  
 <212> PRT  
 <213> Homo sapiens

<400> 752  
 Cys Glu Arg Asp Ser Glu Thr Ser Ser Ile Ala Met Thr Cys Ile Lys  
 1 5 10 15  
 His Lys Pro Pro Lys Gln Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe  
 20 25 30  
 Arg Ser Ala Leu Pro Arg Val Cys Arg Cys His Met Ile Thr Val Gln  
 35 40 45  
 Arg Glu Ala Phe Arg Thr His Thr Gly Cys Ser Thr Ser Val His Leu  
 50 55 60  
 Pro Ser Arg Gly Gly Phe Leu Pro Asp Phe  
 65 70

<210> 753  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 753  
 Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe Arg Ser Ala Leu Pro Arg  
 1 5 10 15  
 Val Cys Arg Cys His Met Ile Thr Val Gln Arg Glu  
 20 25

<210> 754  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<400> 754  
 Gln Ala Phe Val Leu Leu Ser Asp Leu Leu Leu Ile Phe Ser Pro Gln  
 1 5 10 15  
 Met Ile Val Gly Gly Arg Asp Phe Leu Arg Pro Leu Val Phe Phe Pro  
 20 25 30  
 Glu Ala Thr Leu Gln Ser Glu Leu Ala Ser Phe Leu Met Asp His Val  
 35 40 45  
 Phe Ile Gln Pro Gly Asp Leu Gly Ser Gly Ala  
 50 55

<210> 755

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<211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 755  
 Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe Phe Ser Arg  
           1                  5                  10                  15  
 Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr Asp Arg Phe  
                   20                  25                  30  
 Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly  
                   35                  40

<210> 756  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 756  
 Gln Lys Gln Leu Ser Ser Leu Arg Asp Arg Met Val Ala Phe Cys Glu  
           1                  5                  10                  15  
 Leu Cys Gln Ser Cys Leu Ser Asp Val Asp Thr Glu Ile Gln Glu Gln  
                   20                  25                  30  
 Val Ser Thr  
                   35

<210> 757  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 757  
 Gln Val Ile Leu Pro Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp  
           1                  5                  10                  15  
 Thr Leu Thr His Ile Ser Lys Ser Asp Ala Ser  
                   20                  25

<210> 758  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 758  
 Ser Thr His Asp Leu Thr Arg Trp Glu Leu Tyr Glu Pro Cys Cys Gln  
           1                  5                  10                  15

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Leu Leu Gln Lys Ala Val Asp Thr Gly Xaa Val Pro His Gln Val  
 20 25 30

<210> 759  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<400> 759  
 Thr Ser Phe Leu Phe Pro Leu Gln Ala Phe Val Leu Leu Ser Asp Leu  
 1 5 10 15

Leu Leu Ile Phe Ser Pro Gln Met Ile Val Gly Gly Arg Asp Phe Leu  
 20 25 30

Arg Pro Leu Val Phe Phe Pro Glu Ala Thr Leu Gln Ser Glu Leu Ala  
 35 40 45

Ser Phe Leu Met Asp His Val Phe Ile Gln Pro Gly Asp Leu Gly Ser  
 50 55 60

Gly Ala  
 65

<210> 760  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<400> 760  
 Gly Trp Gly Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe  
 1 5 10 15

Phe Ser Arg Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr  
 20 25 30

Asp Arg Phe Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly Ala Gly  
 35 40 45

Ala Gly Gln Trp Asp Thr Pro Asn Lys Gly Gly Arg Gly Cys Lys Thr  
 50 55 60

Gly Asp Val Asp  
 65

<210> 761  
 <211> 78  
 <212> PRT  
 <213> Homo sapiens

<400> 761  
 Val Trp Val Leu Asp Gly Ile Met Gly Thr Glu Glu Ser Val Ser Ser  
 1 5 10 15

Phe Phe Pro Phe Lys Pro Leu Cys Pro Gln Lys Gln Leu Ser Ser Leu

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20 25 30  
 Arg Asp Arg Met Val Ala Phe Cys Glu Leu Cys Gln Ser Cys Leu Ser  
 35 40 45  
 Asp Val Asp Thr Glu Ile Gln Glu Gln Val Ser Thr Asp Ser Ser Gly  
 50 55 60  
 Ser Asn Lys Ala Ser Ile Pro Ala Pro Ile Pro Arg Arg Asn  
 65 70 75  
  
 <210> 762  
 <211> 152  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (86)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 762  
 Asn Ala Ser Leu Pro Ser Thr Ser Glu Trp Leu Ser Ser Ser Ser Pro  
 1 5 10 15  
 Ser Arg Phe Tyr Trp Cys Leu Trp Ser Trp Phe Pro Leu Phe Phe Ser  
 20 25 30  
 Ser Ile Thr Phe Pro Phe Leu Pro Gln Ser Thr His Asp Leu Thr Arg  
 35 40 45  
 Trp Glu Leu Tyr Glu Pro Cys Cys Gln Leu Leu Gln Lys Ala Val Asp  
 50 55 60  
 Thr Gly Xaa Val Pro His Gln Val Ser Gly Gln Ala Arg Asp Gly Leu  
 65 70 75 80  
 Gly Ala Gly Gly Leu Xaa Phe Lys Asp Leu Arg Ser Arg Trp Pro Leu  
 85 90 95  
 Gly Val Ser Ser Leu Ser Ala Trp Ser Gly Gln Ser Glu Glu Asp Gln  
 100 105 110  
 Val Gly Gly Gly His Leu Leu His Ser Ser Leu Arg Arg Trp Thr Leu  
 115 120 125  
 Leu Pro Gly Ser Ser Trp Ile Ser Trp Lys Pro Arg Ile Ile Leu Arg  
 130 135 140  
 Asp Ser Arg Arg Arg Arg Val Asn  
 145 150

10004860-120701

<210> 763  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 763  
 Val Leu Gly Glu Met Leu Leu Trp Ile Phe Phe Pro Ser Gln Ser Ser  
           1                  5                  10                  15  
 Phe Leu Asp Glu Asp Glu Val Tyr Asn Leu Ala Ala Thr Leu Lys Arg  
                   20                  25                  30  
 Leu Ser Ala Phe Tyr Lys  
                   35

<210> 764  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<400> 764  
 Pro Lys Pro His Phe Ser Asn Pro Leu Leu Leu Gln Val Ile Leu Pro  
           1                  5                  10                  15  
 Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp Thr Leu Thr His Ile  
                   20                  25                  30  
 Ser Lys Ser Asp Ala Ser Pro Gly Glu Cys Gly Ser  
                   35                  40

<210> 765  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<400> 765  
 His Cys Gln Phe Leu Leu Gly  
           1                  5

<210> 766  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 766  
 Glu Phe Gly Thr Ser Leu Val Ala Leu Glu Leu His Glu Leu Leu Tyr  
           1                  5                  10                  15  
 His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr Val Val Ser  
                   20                  25                  30  
 Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys Leu Leu Phe Asp Phe  
                   35                  40                  45

10004860-12001

Val Leu Phe Leu Glu  
50

<210> 767

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 767

Thr Lys Pro Gly Met Val Gly His Val Pro Ile Val Pro Ala Thr Lys  
1 5 10 15

Xaa Ala Glu Ala Gly Gly Ser Pro Glu Pro Gly Ser Ser Thr Leu Gln  
20 25 30

Trp Pro Met Ile Thr Pro Cys Thr Pro Ser Trp Ala Thr Glu Pro Asp  
35 40 45

His Val Ser Glu Asp Glu  
50

<210> 768

<211> 30

<212> PRT

<213> Homo sapiens

<400> 768

Leu Leu Tyr His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr  
1 5 10 15

Val Val Ser Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys  
20 25 30

<210> 769

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 769

Leu Ala Val Ser Thr Ser Phe Ile Cys Cys Ala Asp Ile Ser Thr Ala  
1 5 10 15

Leu Pro Leu Gly Ser Ser Arg Pro Ala Pro Ala Pro Arg His Arg Glu  
20 25 30

10004860-120701

His Glu His Gly His Gln Ala Arg Pro Pro Arg Leu Leu Xaa Thr Ser  
           35                          40                          45

Leu Met Pro Leu Ser Thr Pro Ala Ala Ala Gln Leu Leu Trp Thr Gln  
           50                          55                          60

Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser Pro Pro Thr  
           65                          70                          75                          80

Leu His Thr Gly Pro Arg Ala Leu Pro Pro Gly Pro Pro His Pro Ser  
                           85                          90                          95

Leu His Val Ala Ala Leu Ser Leu Leu Arg  
           100                          105

<210> 770

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 770

Ala Pro Ala Val Pro His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met  
   1                          5                          10                          15

Gly Thr Lys Pro Gly Leu Pro Gly Cys Ser Xaa Arg Pro Leu Cys His  
           20                          25                          30

Tyr Gln His Gln Leu Xaa Pro Ser Tyr Phe Gly His Ser Ser Pro Pro  
           35                          40                          45

Trp Gly Ala Val Leu Val Gly Val Thr Pro His Pro Arg Cys Thr Pro  
           50                          55                          60

Ala Pro Gly Pro Cys Arg Leu Gly Leu His Thr His Pro Cys Thr Trp  
           65                          70                          75                          80

Gln Leu Cys Leu Cys  
                           85

<210> 771

<211> 28

<212> PRT

<213> Homo sapiens

<400> 771

Cys Ala Asp Ile Ser Thr Ala Leu Pro Leu Gly Ser Ser Arg Pro Ala

10004860.120701

1                      5                      10                      15  
 Pro Ala Pro Arg His Arg Glu His Glu His Gly His  
                     20                      25

<210> 772  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 772  
 Trp Thr Gln Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser  
   1                      5                      10                      15

Pro Pro Thr Leu His Thr Gly Pro Arg  
                     20                      25

<210> 773  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 773  
 His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met Gly Thr Lys Pro Gly  
   1                      5                      10                      15

Leu Pro Gly Cys  
                     20

<210> 774  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 774  
 Ser Arg Gly Ser Leu Leu Pro Pro His Leu Pro His Arg Val Val Val  
   1                      5                      10                      15

Arg Val His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile  
                     20                      25                      30

Gly Ala Ala His Leu Gln Leu Pro Trp Asp Gly Lys Asp Pro Ala Arg  
                     35                      40                      45

Pro Leu Gly Ile Thr Leu Cys Leu Gln Met Glu Ile Gln Val Leu Gly  
                     50                      55                      60

<210> 775  
 <211> 150  
 <212> PRT  
 <213> Homo sapiens

10/02/01 09:09:01

Cys Cys Ser Phe Gly Phe Tyr Tyr Met Val Gly Ser Asp Thr Ala Glu  
1 5 10 15

Ser Arg His Thr His Ser Pro Arg Ala Val Pro Glu Ser Ser Thr Ala  
35 40 45

Trp Ala Ser Asn Ala Asn Gly Trp Gly Trp Asp His Gln Arg Glu Gly  
65 70 75 80

Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln Gly  
100 105 110

Ser Gly Trp Val Leu Pro Ile Pro Gly Gln Leu Lys Val Gly Gly Pro  
115 120 125

Tyr Ile Leu Pro Glu Gly Leu Gln Gly Leu Cys Ser Ser Val His Pro  
130 135 140

His Asn Asn Pro Val Arg  
145 150

<213> Homo sapiens

His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile Gly Ala  
1 5 10 15

Ala His Leu Gln Leu Pro Trp Asp Gly  
20 25

<213> Homo sapiens

Pro Ala Pro Gln Ala Arg Arg Trp Ala Ser Asn Ala Asn Gly Trp Gly  
1 5 10 15

Trp Asp His Gln Arg  
20

<210> 778  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 778  
 His Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln  
 1 5 10 15

Gly Ser Gly Trp Val Leu Pro  
 20

<210> 779  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 779  
 Thr Asn Gly Ile Met Gln Tyr Val Thr Phe Cys Val Trp Leu Ile Leu  
 1 5 10 15

Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala Cys Ile Ser  
 20 25 30

Thr Ser Phe Leu Phe Leu Ala Glu Tyr Tyr Ser Ile Ile Trp Ile Tyr  
 35 40 45

His Asn Ser Phe Thr Tyr Ser Ser Phe Val Ser Ala Val Trp Leu Leu  
 50 55 60

<210> 780  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 780  
 Tyr Asn Phe Met Phe Asn Phe Ser Lys Asn Cys Gln Lys Val Phe His

10004860-120701



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<210> 781
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 781
Cys Val Thr Gln Ala Arg Val Gln Trp Arg Asp Leu Gly Ser Leu Gln
  1                      5                      10                      15
Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser
      20                      25                      30
Arg Xaa Asp Tyr Met His Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile
      35                      40                      45
Phe Ser Lys Met Gly Phe His His Val Gly Gln Ala Gly Leu Glu Val
      50                      55                      60
Leu Xaa Ser Ser Asp Leu Pro Ala Leu Ala Ser Gln Ser Ala Xaa Ile

```

65

70

75

80

Thr Gly Glu Pro Leu Arg Leu Ala Arg Ile Ser  
85 90

&lt;210&gt; 782

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 782

Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Ser Lys Met Gly Phe  
1 5 10 15

His His Val Gly Gln Ala Gly Leu Glu  
20 25

&lt;210&gt; 783

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 783

Leu Ile Leu Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala  
1 5 10 15

Cys Ile Ser Thr Ser Phe Leu Phe  
20

&lt;210&gt; 784

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 784

Ala Leu Val Pro Ser Pro Gln Gln Ile Leu Pro Ser Cys Phe Ser Leu  
1 5 10 15

Met Trp Gln Val Thr Thr Lys Ser Ala Leu Val Phe Phe Lys Cys Ile  
20 25 30

Tyr Ile Pro Phe Leu Ser Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys  
35 40 45

Leu Ile Phe Cys Ser Leu Asp Val Gln Ser Gln Leu Val Phe Leu Ser  
50 55 60

Ser Pro Pro Val Ala Gly Val Leu Phe Phe Phe Leu Leu Ser Pro Leu  
65 70 75 80

10004560-120761

Leu Leu Ser Phe Tyr Val Gln Thr Gly Phe Ser Val  
65 70 75

<210> 788  
 <211> 119  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (97)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (103)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 788  
 Gly Thr Ser Arg His Gly Gln Arg Pro Ile Ala Pro Gly Thr Pro Trp  
           1                  5                  10                  15  
 Gln Arg Glu Pro Arg Val Glu Val Met Asp Pro Ala Gly Gly Pro Arg  
                   20                  25                  30  
 Gly Val Leu Pro Arg Pro Cys Arg Xaa Leu Val Leu Asn Pro Arg  
           35                  40                  45  
 Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Arg Ser His Val Gln Pro  
           50                  55                  60  
 Leu Leu Ala Glu Ala Glu Ile Ser Phe Thr Leu Met Leu Thr Glu Arg  
           65                  70                  75                  80  
 Arg Asn His Ala Arg Glu Leu Val Arg Ser Glu Glu Leu Gly Arg Trp  
                   85                  90                  95  
 Xaa Ala Leu Val Val Met Xaa Gly Asp Gly Leu Met His Glu Val Val  
           100                  105                  110  
 Asn Gly Leu His Gly Ala Ala  
           115

<210> 789  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 789  
 Arg Pro Ile Ala Pro Gly Thr Pro Trp Gln Arg Glu Pro Arg Val Glu  
           1                  5                  10                  15  
 Val Met Asp Pro Ala Gly Gly Pro  
           20

10004860-120701

<210> 790  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 790  
 Ala Ser Gly Pro Leu Met Gly Xaa Ala Val Leu Lys Ile Phe Glu  
           1                          5                          10                          15

<210> 791  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 791  
 Leu Leu Arg Ser Ala Leu Xaa Ser Pro His Leu Pro Thr Pro Val Pro  
           1                          5                          10                          15

Leu Val

<210> 792  
 <211> 69  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)

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<400> 792

Thr Gly Leu Ala Ser  
65

<210> 793

<211> 59

<212> PRT

<213> Homo sapiens

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&lt;221&gt; SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 793

Arg Trp Gly Glu Xaa Arg Ala Glu Arg Ser Ser  
50 55

<210> 794

<211> 21

<212> PRT

<213> Homo sapiens

<400> 794

Arg Leu Ile Gln Tyr  
20

<210> 795

<211> 13

<212> PRT  
 <213> Homo sapiens

<400> 795  
 Cys Glu Arg Ser Gly Tyr Thr Arg Met Ala Met Asp Thr  
           1                  5                  10

<210> 796  
 <211> 132  
 <212> PRT  
 <213> Homo sapiens

<400> 796  
 Thr Gly Ser Ile Leu Ala Val Gly Lys Lys Tyr Ser Leu Gly Ser Tyr  
           1                  5                  10                  15  
 Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg Gly Leu Gly  
                   20                  25                  30  
 Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly Ile Lys Pro Asn Lys Pro  
                   35                  40                  45  
 Gln Gly Arg Gly Lys Leu Gln Gly Arg Ser Ser Arg Lys Asp Thr Val  
           50                  55                  60  
 Leu Trp Pro Ser Pro Glu His Pro His Met Val Ser Met Ala Ile Leu  
           65                  70                  75                  80  
 Val Tyr Pro Asp Leu Ser His Tyr Ser Asn Pro His Ser Thr Pro Ala  
                   85                  90                  95  
 Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly Glu Ile Leu Gly  
                   100                  105                  110  
 Leu Gln Arg Pro Gly Gln Trp Pro Glu Glu Arg Cys Asp Arg Pro Trp  
           115                  120                  125  
 Leu Pro Pro Cys  
           130

<210> 797  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 797  
 Gly Ser Tyr Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg  
           1                  5                  10                  15  
 Gly Leu Gly Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly  
                   20                  25

<210> 798  
 <211> 27  
 <212> PRT

10004360-10007001

<213> Homo sapiens

<400> 798

Ser Thr Pro Ala Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly  
1 5 10 15

Glu Ile Leu Gly Leu Gln Arg Pro Gly Gln Trp  
20 25

<210> 799

<211> 44

<212> PRT

<213> Homo sapiens

<400> 799

Thr Met Gly Thr Trp Val Asp Trp Leu Thr Thr Asn Thr Ala His Thr  
1 5 10 15

Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu Asp Phe Pro Gln Arg His  
20 25 30

Cys Gly Ser Val Glu Arg Ser Pro Asp Gln Ala Cys  
35 40

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Thr Asn Thr Ala His Thr Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu  
1 5 10 15

Asp Phe Pro Gln Arg His Cys  
20

<210> 801

<211> 15

<212> PRT

<213> Homo sapiens

<400> 801

Met Ser Pro Glu Thr Lys Gly Lys Gly Arg Ser Phe Pro Leu Lys  
1 5 10 15

<210> 802

<211> 82

<212> PRT

<213> Homo sapiens

<400> 802

Cys Gln Asn Lys Cys Ser Glu Thr Thr Cys Gly Arg Thr Arg Arg Glu  
1 5 10 15

10004350-120701



Ser Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp  
20 25 30

Leu Pro Phe Pro Phe Val Ser Gly Asp Ile Gln Pro Lys Ser Ser Gly  
35 40 45

Ser Met Ala Pro Asp Gln Gln Gly Leu Cys Tyr Leu Gly Ser Trp Arg  
50 55 60

Ser His Leu Tyr Cys Arg Leu Leu Pro Met Asp Gln Val Ser Pro Ala  
65 70 75 80

Leu Cys

<210> 803

<211> 63

<212> PRT

<213> Homo sapiens

<400> 803

Lys Pro Ser Pro Gly Leu Ala Tyr Cys Ser Leu Ser Trp Ser Phe His  
1 5 10 15

Met Leu Phe Leu Asn Ile Cys Ser Gly Ile Thr Ile Pro Val Ile Leu  
20 25 30

Ser Ser Gly Pro Ser His Leu Ser Thr Leu Ser Leu Ala Val Ser Pro  
35 40 45

Arg Arg Pro Gly Thr Trp Val Lys Ala Cys Ser Cys Trp Cys Pro  
50 55 60

<210> 804

<211> 25

<212> PRT

<213> Homo sapiens

<400> 804

Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp Leu  
1 5 10 15

Pro Phe Pro Phe Val Ser Gly Asp Ile  
20 25

<210> 805

<211> 21

<212> PRT

<213> Homo sapiens

<400> 805

Tyr Leu Gly Ser Trp Arg Ser His Leu Tyr Cys Arg Leu Leu Pro Met  
1 5 10 15

Asp Gln Val Ser Pro

10004560-12001

20

<210> 806  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 806  
 Gly Ile Thr Ile Pro Val Ile Leu Ser Ser Gly Pro Ser His Leu Ser  
           1                  5                  10                  15

Thr Leu Ser Leu Ala Val Ser Pro Arg  
                   20                  25

<210> 807  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 807  
 Leu Glu Arg Leu Gly Val Gly Arg Gly Leu Glu  
           1                  5                  10

<210> 808  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808  
 Asp Leu Pro Pro Cys Trp Thr Thr Leu Lys Glu His Gln Cys Phe Met  
           1                  5                  10                  15

Gln Tyr Gln Leu Phe Thr Ile Gln Cys Lys Val Val Glu Gln Thr Ile  
                   20                  25                  30

Cys Glu Asp Glu Arg Lys Met Glu Ser Thr Cys Leu Thr Leu Ala Xaa  
           35                  40                  45

Pro Glu Ser Val Arg Gln Xaa Cys Pro Ala Thr Leu Trp Ser Ser Met  
           50                  55                  60

Asn Ile Cys  
           65

10004860-120701

<210> 809  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809  
 Thr Asn Arg Val Xaa Leu Ser Trp Arg Lys Glu Glu Gln Arg Met Gly  
 1 5 10 15  
 Arg Thr Glu Thr Gly Ala Lys Asp Lys Gly Arg Asp Phe Leu Glu Arg  
 20 25 30  
 Gly Ser Arg Gly Trp Gln Leu Tyr Thr Gly Ala Ala Asp Thr Glu Glu  
 35 40 45

Val

<210> 810  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 810  
 Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu  
 1 5 10 15  
 Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly  
 20 25 30  
 Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser  
 35 40 45  
 Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met  
 50 55 60  
 Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg  
 65 70 75 80  
 Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile  
 85 90 95  
 Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp  
 100 105 110  
 Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr  
 115 120 125  
 Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val  
 130 135 140  
 Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu

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<210> 811
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 811
Ala Leu Leu Lys Tyr Arg Phe Phe Tyr Gln Phe Leu Leu Gly Asn Glu
 1             5             10             15

Arg Ala Thr Ala Lys Glu Ile Arg Asp Glu Tyr Val Glu Thr Leu Ser
      20             25             30

Lys Ile Tyr Leu Ser Tyr Tyr Arg Ser Tyr Leu Gly Arg Leu Met Lys
      35             40             45

Val Gln Tyr Glu Glu Val Ala Glu Lys Asp Asp Leu Met Gly Val Glu
      50             55             60

Asp Thr Ala Lys Lys Gly Phe Xaa Ser Lys Pro Ser Leu Arg Ser Arg
 65             70             75             80

Asn Thr Ile Phe Thr Leu Gly Thr Arg Gly Ser Val Ile Ser Pro Thr
      85             90             95

Glu Leu Glu Ala Pro Ile Leu Val Pro His Thr Ala Gln Arg
      100             105             110

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<210> 812
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Glu Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa  
1 5 10 15

Leu Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe  
20 25 30

Val Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly  
35 40 45

Arg Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp  
50 55 60

Cys Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg  
65 70 75 80

Phe Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr  
85 90 95

Trp

<210> 813

<211> 26

<212> PRT

<213> Homo sapiens

<400> 813

Gly Gly Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu  
1 5 10 15

Phe Ser Ser Ala Leu Val Ser Ile Asn Gln  
20 25

<210> 814

<211> 20

<212> PRT

<213> Homo sapiens

<400> 814

Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn Asn Tyr Asp Met Met  
1 5 10 15

Leu Gly Val Leu  
20

<210> 815

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

10004560-120701

<222> (72)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (111)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (127)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (149)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 815  
 Ala Leu Leu Lys Tyr Arg Phe Phe Tyr Gln Phe Leu Leu Gly Asn Glu  
   1                  5                  10                  15  
 Arg Ala Thr Ala Lys Glu Ile Arg Asp Glu Tyr Val Glu Thr Leu Ser  
                   20                  25                  30  
 Lys Ile Tyr Leu Ser Tyr Tyr Arg Ser Tyr Leu Gly Arg Leu Met Lys  
           35                  40                  45  
 Val Gln Tyr Glu Glu Val Ala Glu Lys Asp Asp Leu Met Gly Val Glu  
       50                  55                  60  
 Asp Thr Ala Lys Lys Gly Phe Xaa Ser Lys Pro Ser Leu Arg Ser Arg  
   65                  70                  75                  80  
 Asn Thr Ile Phe Thr Leu Gly Thr Arg Gly Ser Val Ile Ser Pro Thr  
                   85                  90                  95  
 Glu Leu Glu Ala Pro Ile Leu Val Pro His Thr Ala Gln Arg Xaa Glu  
           100                  105                  110  
 Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu  
       115                  120                  125  
 Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val  
   130                  135                  140  
 Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg  
 145                  150                  155                  160  
 Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys  
           165                  170                  175  
 Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe  
       180                  185                  190  
 Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp  
   195                  200                  205

10004360-120701  
 10004360-120701

Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu  
210 215 220

Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly  
225 230 235 240

Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser  
245 250 255

Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met  
260 265 270

Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg  
275 280 285

Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile  
290 295 300

Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp  
305 310 315 320

Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr  
325 330 335

Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val  
340 345 350

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu  
355 360 365

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe  
370 375 380

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met  
385 390 395 400

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser  
405 410

<210> 816

<211> 82

<212> PRT

<213> Homo sapiens

<400> 816

Pro Ala Asp Leu Arg Ala Val Ser Gly Thr Ser Glu Val Gly Leu Met  
1 5 10 15

Leu Leu Glu Leu His His Lys Val Val Asn Val Asp Glu Leu Ser Pro  
20 25 30

Gly Arg Glu Gly Ser Glu Leu Arg Leu Gly Gln His Pro Val Glu Ala  
35 40 45

Met Ile Glu Leu Asp Gln Leu Gly Gln Arg Ser Leu Asn Asp Thr Gly  
50 55 60

10004860.120701

Ala Ile Ser Glu Val Gly Glu Thr Pro His Tyr Ile Leu Thr Gln Arg  
 65 70 75 80

Phe His

<210> 817

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 817

Gly Pro His Pro Gly Ala Ser His Ser Ala Ala Xaa Glu Gln Arg Tyr  
 1 5 10 15

Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu Leu Asp Asn  
 20 25 30

Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val Val Ser Gly  
 35 40 45

Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg Thr Leu Ser  
 50 55 60

Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys Tyr Asp Ala  
 65 70 75 80

Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe Arg Asn Ile  
 85 90 95

Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp Gly Thr Gly  
 100 105 110

Ala Cys Leu Ala Met Ala Thr Val  
 115 120

<210> 818

<211> 303

<212> PRT

<213> Homo sapiens

10004860.120701



&lt;400&gt; 818

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu  
 1 5 10 15  
 Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp  
 20 25 30  
 Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe  
 35 40 45  
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met  
 50 55 60  
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly  
 65 70 75 80  
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala  
 85 90 95  
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met  
 100 105 110  
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr  
 115 120 125  
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu  
 130 135 140  
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu  
 145 150 155 160  
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp  
 165 170 175  
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser  
 180 185 190  
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile  
 195 200 205  
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu  
 210 215 220  
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu  
 225 230 235 240  
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly  
 245 250 255  
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe  
 260 265 270  
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu  
 275 280 285  
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile  
 290 295 300

10004860-120701

<210> 819  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 819  
 His Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His  
     1                    5                    10                    15  
 Lys Asp

<210> 820  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 820  
 His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr Ile  
     1                    5                    10                    15  
 Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val Ala  
                     20                    25                    30  
 Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala Lys  
             35                    40                    45  
 Ser

<210> 821  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 821  
 Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser Glu Pro  
     1                    5                    10                    15  
 Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu  
                     20                    25                    30

<210> 822  
 <211> 400  
 <212> PRT  
 <213> Homo sapiens

<400> 822  
 Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu  
     1                    5                    10                    15  
 Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp  
             20                    25                    30

10004560-120701

Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe  
 35 40 45  
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met  
 50 55 60  
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly  
 65 70 75 80  
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala  
 85 90 95  
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met  
 100 105 110  
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr  
 115 120 125  
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu  
 130 135 140  
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu  
 145 150 155 160  
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp  
 165 170 175  
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser  
 180 185 190  
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile  
 195 200 205  
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu  
 210 215 220  
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu  
 225 230 235 240  
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly  
 245 250 255  
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe  
 260 265 270  
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu  
 275 280 285  
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His  
 290 295 300  
 Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His Lys  
 305 310 315 320  
 Asp His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr  
 325 330 335  
 Ile Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val

1000446-120701

340

345

350

Ala Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala  
 355 360 365

Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser  
 370 375 380

Glu Pro Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu  
 385 390 395 400

&lt;210&gt; 823

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 823

Leu Asn Leu Leu Leu Ile Thr Gln Lys Val Lys Cys Trp Asp Leu Gly  
 1 5 10 15

Ile Pro Ala Phe Gln Ile His Leu Gln Val Val Val Gly  
 20 25

&lt;210&gt; 824

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 824

Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu Gly  
 1 5 10 15

Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro  
 20 25

&lt;210&gt; 825

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 825

Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His Ile Ala Leu  
 1 5 10 15

Ala Thr Leu Ala Leu Asn  
 20

&lt;210&gt; 826

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

1000450-120701

&lt;400&gt; 826

Val Gln Leu Ala Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr  
 1 5 10 15

Ser Ser Val Ser Glu Pro Ala  
 20

&lt;210&gt; 827

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 827

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu  
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn  
 20 25

&lt;210&gt; 828

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 828

Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe Leu Asp  
 1 5 10 15

Gln Val Ala Lys Phe Ile Ile Asp Asn Thr  
 20 25

&lt;210&gt; 829

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 829

Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly Arg Tyr Val Pro Gly  
 1 5 10 15

&lt;210&gt; 830

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 830

Thr Ala Asp Pro Phe Thr Gly Ala Gly Arg Tyr  
 1 5 10

&lt;210&gt; 831

&lt;211&gt; 19

&lt;212&gt; PRT

10004860-120701

<213> Homo sapiens

<400> 831

Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr Arg  
1 5 10 15

Ser Ala Ala

<210> 832

<211> 9

<212> PRT

<213> Homo sapiens

<400> 832

Asn Ile Tyr Phe Pro Lys Lys Glu Ala  
1 5

<210> 833

<211> 19

<212> PRT

<213> Homo sapiens

<400> 833

Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu Lys Glu  
1 5 10 15

Leu Asn Gly

<210> 834

<211> 30

<212> PRT

<213> Homo sapiens

<400> 834

Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu Ser Ile  
1 5 10 15

Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu  
20 25 30

<210> 835

<211> 31

<212> PRT

<213> Homo sapiens

<400> 835

Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly Lys Pro  
1 5 10 15

Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe Val  
20 25 30

10004360-120701

<210> 836  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 836  
 Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu Met Ser  
           1                  5                  10                  15  
 His Ala Ile Glu Leu Lys Ser Gly Ser Asn  
                   20                  25

<210> 837  
 <211> 139  
 <212> PRT  
 <213> Homo sapiens

<400> 837  
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu  
           1                  5                  10                  15  
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu  
                   20                  25                  30  
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln  
           35                  40                  45  
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val  
           50                  55                  60  
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu  
           65                  70                  75                  80  
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu  
                   85                  90                  95  
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val  
           100                  105                  110  
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser  
           115                  120                  125  
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu  
           130                  135

<210> 838  
 <211> 144  
 <212> PRT  
 <213> Homo sapiens

<400> 838  
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu  
           1                  5                  10                  15  
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu

10004660-150701

20                      25                      30  
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln  
                     35                      40                      45  
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val  
                     50                      55                      60  
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu  
                     65                      70                      75                      80  
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu  
                                     85                      90                      95  
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val  
                     100                      105                      110  
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser  
                     115                      120                      125  
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu Phe Ile Lys Thr Ile  
                     130                      135                      140

<210> 839  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 839  
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu  
                     1                      5                      10

<210> 840  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 840  
 Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile  
                     1                      5                      10

<210> 841  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 841  
 Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu  
                     1                      5                      10                      15

Phe Ile Lys Thr Ile  
                     20

1000450.120701



<210> 842  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 842  
 Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn  
 1 5 10 15

Pro Pro

<210> 843  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 843  
 Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu  
 1 5 10

<210> 844  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 844  
 Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys  
 1 5 10 15

<210> 845  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 845  
 Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro  
 1 5 10

<210> 846  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 846  
 Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly Pro  
 1 5 10 15

Cys

10004850-120701

<210> 847  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 847  
 Met Pro Gly Arg Trp Arg Trp Gln Arg Asp Met His Pro Ala Arg Lys  
           1                  5                  10                  15  
 Leu Leu Ser Leu Leu Phe Leu Ile Leu Met Gly Thr Glu Leu Thr Gln  
                   20                  25                  30

Asp

<210> 848  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 848  
 Ser Ala Ala Pro Asp Ser Leu Leu Arg Ser Ser Lys Gly Ser Thr Arg  
           1                  5                  10                  15

Gly Ser Leu

<210> 849  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 849  
 Ala Ala Ile Val Ile Trp Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys  
           1                  5                  10                  15

Thr Pro Gly Ile  
                   20

<210> 850  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 850  
 Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly Gly Gly  
           1                  5                  10                  15

Asp

<210> 851  
 <211> 20  
 <212> PRT

10004850-120704



<213> Homo sapiens

<400> 851

Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly Gln Leu Cys  
1 5 10 15

Ala Leu Leu Ala  
20

<210> 852

<211> 20

<212> PRT

<213> Homo sapiens

<400> 852

Phe Arg Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu  
1 5 10 15

Trp Leu Ile Leu  
20

<210> 853

<211> 28

<212> PRT

<213> Homo sapiens

<400> 853

Asn Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly  
1 5 10 15

Pro Cys Met Pro Gly Arg Trp Arg Trp Gln Arg Asp  
20 25

<210> 854

<211> 80

<212> PRT

<213> Homo sapiens

<400> 854

Tyr Ile Val Gln Gly Thr Thr Ser Pro Phe Glu Met Pro Thr Ile Pro  
1 5 10 15

Thr Pro Ala Arg His Arg Ala Pro His Ser Pro Pro Ala Gly His Val  
20 25 30

Ala Thr Ala Pro Gln Ala Leu His Ile Lys Pro Ala Met His Thr Ala  
35 40 45

Gly Arg His Ala Gly Cys Pro Ser Arg Ser Gln Arg His Asn Pro His  
50 55 60

Arg Leu Phe Leu Glu Pro Pro Arg Ala Ala Leu Cys Pro Lys Gly Gly  
65 70 75 80

10004860-12001

<210> 855  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 855  
 Ala Ser Asn Ala His Ser Trp Pro Ala Arg Trp Leu Pro Phe Gln Val  
 1 5 10 15

Ser Ala Ala Gln Ser Pro Pro Pro Val Ser Gly Ala Pro Lys Gly Ser  
 20 25 30

Val Met Pro Lys Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly  
 35 40 45

Arg Thr Lys Val Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala Ile  
 50 55 60

Arg Leu Ser Leu Phe Pro Leu Gln Met Thr Ile Ala Ala Lys Asp Pro  
 65 70 75 80

Leu Val Leu Pro Phe Glu Leu Leu Ser Arg Glu Ser Gly Ala Ala Glu  
 85 90 95

Ser

<210> 856  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 856  
 Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly Arg Thr Lys Val  
 1 5 10 15

Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala  
 20 25

<210> 857  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 857  
 Gly His Gln Thr Ala Pro Glu Thr Pro Ser Arg Ser Asp  
 1 5 10

<210> 858  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

1000455-1200

&lt;400&gt; 858

Ser Gln Thr Asp Arg

1 5

&lt;210&gt; 859

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 859

Asn Ile Tyr Phe Lys Glu Lys Arg Lys Arg Gly Gly Ala Lys Met Ala

1 5 10 15

Gly Ala Ile Ile Glu Asn

20

&lt;210&gt; 860

&lt;211&gt; 147

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 860

Val Tyr Leu Cys Ala Tyr Thr Ser Thr Ile Asn Val Thr Val Thr Thr

1 5 10 15

Ala Asn Ala Lys Leu Ile Asn Met Cys Cys Leu Val Asp Ser Asn Thr

20 25 30

Arg Ser Cys Val Val Ile Asp Glu Gly Ile Phe Arg Ser Ala Glu Gln

35 40 45

Phe Leu Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe

50 55 60

Thr Trp Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met

65 70 75 80

Gly Trp Cys Ile Gln Glu His Gln Ser Lys Asp Ile Gln Ile Pro His

85 90 95

Pro Ile Asp Ala Cys Glu Lys Gly Thr Val His Leu Asp Cys Asp Ala

100 105 110

Ala Pro Phe Pro Met Ala Phe Arg Tyr Leu Thr Asn Asp Glu Glu Asp

115 120 125

Asp Ser His Gly Ser Ala Gly Gln Gly Asp Lys His Glu Glu Leu Glu

130 135 140

Pro Lys Asn

145

&lt;210&gt; 861

&lt;211&gt; 112

10004860-120701

<213> Homo sapiens

Lys Met Pro Cys Arg Met Ser Pro Asn Ser Ser Ile Gln Val Gln Ser  
1 5 10 15

Asn Pro Met Glu Asn His Ser Thr Gly Ile Leu Ile Lys Val Met Glu  
20 25 30

Ile Pro Arg Ala Lys Met Thr Phe Ser Arg Ser Thr Gly Gly Arg Asp  
35 40 45

Ile Met Val Ile Leu Leu Gln Tyr His Thr Ile Met Met Lys Met Leu  
50 55 60

Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro Pro  
65 70 75 80

Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile Pro  
85 90 95

Thr Leu Ile Phe Phe Phe Ser Phe Thr Gly Ser Arg Met Phe Lys Arg  
100 105 110

<211> 74

<213> Homo sapiens

Thr Thr Lys Ser Glu Lys Met Gln Lys Ser Pro Trp Thr Phe Pro Trp  
1 5 10 15

Leu Thr Val Met Thr His Leu Leu Ser Gly Leu Lys Trp Pro Met Lys  
20 25 30

Glu Tyr His Gly Asn Ser Asn Ala Pro Ser His Leu Pro Arg Leu Gln  
35 40 45

Ser Met Arg Ala Val Thr Met Asn Val Met Ser Phe Leu Ser Trp Lys  
50 55 60

Leu Gly Leu Trp Pro Ile Ser Phe Thr Phe  
65 70

<211> 31

<213> Homo sapiens

Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe Thr Trp

1                    5                    10                    15  
 Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met Gly  
                   20                    25                    30

<210> 864  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 864  
 Ser Ser Ile Gln Val Gln Ser Asn Pro Met Glu Asn His Ser Thr Gly  
   1                    5                    10                    15

Ile Leu Ile Lys Val Met Glu Ile Pro Arg Ala Lys Met  
                   20                    25

<210> 865  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 865  
 Leu Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro  
   1                    5                    10                    15

Pro Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile  
                   20                    25                    30

Pro

<210> 866  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 866  
 Thr Met Ala Ser Met Gly Leu Gln Val  
   1                    5

<210> 867  
 <211> 167  
 <212> PRT  
 <213> Homo sapiens

<400> 867  
 Lys Ser Trp Met Met Leu Trp Ala Val Gln Asp Thr Gly Thr Ile Thr  
   1                    5                    10                    15

Ile Arg Pro Ala Asn Arg Asn Thr Thr Pro Ala Thr Ile Met Val Leu  
                   20                    25                    30

Ala Leu Ala Leu Ser Ser Ser Arg Gln Leu Val His Leu Pro Pro Thr

10004360-120701

35

40

45

Thr Asp Ser Ser Thr Pro Arg Ala Ala Thr Met Met Leu Met Met Thr  
50 55 60

Arg Ala Arg Ala Ala Cys Arg Ser Cys Gly Ser Ala Ser Ser Glu Ser  
65 70 75 80

Tyr Thr Leu His Cys Ile Trp Pro Val Leu Cys Thr Thr Gln Phe Ile  
85 90 95

His Arg Pro Ser Gln Met Val Cys Glu Val Thr Met Leu Leu Pro Met  
100 105 110

Lys Ala Val Thr Arg His Met Gly Ser Ala Gln His Ser Met Thr Ala  
115 120 125

Ser Gln Pro Arg Thr Ala Ser Ala Met Pro Ile Thr Cys Ser Pro Met  
130 135 140

Glu Ala Ile Val Gln Arg Pro Arg Glu Leu Arg Thr Trp Lys Ala Glu  
145 150 155 160

Gly Ile Arg Leu Trp Gly Pro  
165

<210> 868

<211> 28

<212> PRT

<213> Homo sapiens

<400> 868

Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val  
1 5 10 15

Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val Thr  
20 25

<210> 869

<211> 22

<212> PRT

<213> Homo sapiens

<400> 869

Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn  
1 5 10 15

Cys Val Val Gln Ser Thr  
20

<210> 870

<211> 18

<212> PRT

<213> Homo sapiens

10004560-120701



&lt;400&gt; 870

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp  
 1 5 10 15

Leu Gln

&lt;210&gt; 871

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 871

Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met  
 1 5 10 15

Ile Val

&lt;210&gt; 872

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 872

Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val Ser  
 1 5 10 15

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala  
 20 25 30

&lt;210&gt; 873

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 873

Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro Tyr  
 1 5 10

&lt;210&gt; 874

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 874

Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu Glu  
 1 5 10

&lt;210&gt; 875

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<211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 875  
 Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg  
           1                  5                  10

<210> 876  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 876  
 Val Val His Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg  
           1                  5                  10                  15

Thr Gln Gly Phe Leu Ala Leu Phe  
                   20

<210> 877  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 877  
 Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu Asp Ile Glu  
           1                  5                  10                  15

<210> 878  
 <211> 280  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (197)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878  
 Ala Gly Ile Arg Gln Arg Phe Ser Ala Arg Leu Trp Gln Leu Val Ser  
           1                  5                  10                  15

Ile Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp  
                   20                  25                  30

Val Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu  
           35                  40                  45

Gly Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val  
           50                  55                  60

Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile  
           65                  70                  75                  80

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Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro  
                     85                    90                    95  
 Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly  
                     100                    105                    110  
 Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu  
                     115                    120                    125  
 Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg Ser Ile  
                     130                    135                    140  
 Gly Val Arg Ile Lys Glu Glu Thr Glu Ile Ile Glu Gly Glu Val Val  
                     145                    150                    155                    160  
 Glu Ile Gln Ile Asp Arg Pro Ala Thr Gly Thr Gly Ser Lys Val Gly  
                     165                    170                    175  
 Lys Leu Thr Leu Lys Thr Thr Glu Met Glu Thr Ile Tyr Asp Leu Gly  
                     180                    185                    190  
 Thr Lys Met Ile Xaa Ser Leu Thr Lys Asp Lys Val Gln Ala Gly Asp  
                     195                    200                    205  
 Val Ile Thr Ile Asp Lys Ala Thr Gly Lys Ile Ser Lys Leu Gly Arg  
                     210                    215                    220  
 Ser Phe Thr Arg Ala Arg Glu Leu Arg Arg Tyr Gly Leu Pro Asp Gln  
                     225                    230                    235                    240  
 Val Arg Ala Val Pro Arg Trp Gly Ala Pro Glu Thr Gln Gly Gly Gly  
                     245                    250                    255  
 Ala His Arg Val Pro Ala Arg Asp Arg Arg His Gln Leu Ser His Pro  
                     260                    265                    270  
 Gly Leu Pro Gly Ala Leu Leu Arg  
                     275                    280

<210> 879

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Ser Pro Ser Thr Arg Arg Arg Ala Arg Ser Pro Ser Trp Ala Ala Pro  
                     1                    5                    10                    15

Ser His Ala Pro Ala Asn Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe  
                     20                    25                    30

Val Gln Cys Pro Asp Gly Glu Leu Gln Lys Arg Lys Glu Val Val His

10004660-120701

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<210> 880
<211> 89
<212> PRT
<213> Homo sapiens
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<210> 881
<211> 30
<212> PRT
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<213> Homo sapiens

<400> 881

Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe Val Gln Cys Pro Asp Gly  
1 5 10 15

Glu Leu Gln Lys Arg Lys Glu Val Val His Thr Val Ser Leu  
20 25 30

<210> 882

<211> 31

<212> PRT

<213> Homo sapiens

<400> 882

Lys Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met  
1 5 10 15

Leu Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser  
20 25 30

<210> 883

<211> 28

<212> PRT

<213> Homo sapiens

<400> 883

Glu Ala Thr Asn Arg Gly Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln  
1 5 10 15

Ser Pro His Gly Ile Pro Ile Asp Leu Leu Asp Arg  
20 25

<210> 884

<211> 22

<212> PRT

<213> Homo sapiens

<400> 884

Met Arg Ser Ala Arg Pro Ser Leu Gly Cys Leu Pro Ser Trp Ala Phe  
1 5 10 15

Ser Gln Ala Leu Asn Ile  
20

<210> 885

<211> 22

<212> PRT

<213> Homo sapiens

<400> 885

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys  
1 5 10 15

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Glu Lys Gly Asn Phe Asn  
20

<210> 886  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 886  
Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr Leu Arg Leu  
1 5 10 15

Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg  
20 25

<210> 887  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 887  
Thr Tyr Asn Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln  
1 5 10 15

Arg Cys

<210> 888  
<211> 43  
<212> PRT  
<213> Homo sapiens

<400> 888  
Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala  
1 5 10 15

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp  
20 25 30

Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn  
35 40

<210> 889  
<211> 45  
<212> PRT  
<213> Homo sapiens

<400> 889  
Ser Ile Tyr Glu Leu Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val  
1 5 10 15

Leu Glu Tyr Ala Thr Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr  
20 25 30

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Ser Gln Ala Gly Phe Ser Gly Glu Asp Arg Leu Glu Gln  
           35                          40                          45

<210> 890  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 890  
 Ala Lys Leu Phe Cys Arg Thr Leu Glu Asp Ile Leu Ala Asp Ala Pro  
   1                          5                          10                          15

Glu Ser Gln Asn Asn Cys Arg Leu Ile Ala Tyr Gln Glu Pro Ala Asp  
           20                          25                          30

Asp Ser Ser Phe Ser Leu Ser Gln Glu Val Leu Arg His Leu Arg Gln  
           35                          40                          45

Glu Glu Lys Glu Glu Val Thr Val Gly Ser Leu Lys Thr Ser Ala Val  
           50                          55                          60

Pro Ser Thr Ser Thr Met Ser Gln Glu Pro Glu Leu Leu Ile Ser Gly  
   65                          70                          75                          80

Met Glu Lys Pro Leu Pro Leu Arg Thr Asp Phe Ser  
                           85                          90

<210> 891  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 891  
 Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys  
   1                          5                          10                          15

Glu Lys Gly Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr  
           20                          25                          30

Ile Gly Tyr Leu Arg Leu Ile Leu Pro Glu Leu  
           35                          40

<210> 892  
 <211> 76  
 <212> PRT  
 <213> Homo sapiens

<400> 892  
 Leu Arg Leu His Ser Glu Lys Leu Pro Leu Ala Ala Arg Ser Ala Gly  
   1                          5                          10                          15

Pro Ser Leu Leu Val Ile Ile Gln Ser Ser Gln Cys Pro Gly Gly Arg  
           20                          25                          30

Arg Tyr Arg Gly Ser Tyr Trp Arg Thr Val Arg Ala Cys Leu Gly Cys

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35

40

45

Pro Leu Arg Arg Gly Ala Leu Leu Leu Ser Ile Tyr Phe Tyr Tyr  
 50 55 60

Ser Leu Pro Asn Ala Val Gly Pro Pro Phe Thr Trp  
 65 70 75

&lt;210&gt; 893

&lt;211&gt; 133

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 893

Val Trp Leu Thr Pro Thr Phe Ala Ser Trp Ile Asn Cys Pro Ser Arg  
 1 5 10 15

Pro Val Thr Val Leu Ala Ser Arg Ile Gly Phe Thr Ala Thr Ala Ser  
 20 25 30

Met Ser Phe Trp Arg Thr Gly Ser Gly Arg Ala Pro Val Ser Trp Ser  
 35 40 45

Thr Pro Pro Pro Cys Arg Leu Cys Leu Pro Cys His Asn Thr Val Lys  
 50 55 60

Leu Ala Leu Ala Gly Arg Ile Gly Leu Ser Arg Pro Asn Ser Ser Ala  
 65 70 75 80

Gly His Leu Arg Thr Ser Trp Gln Met Pro Leu Ser Leu Arg Thr Thr  
 85 90 95

Ala Ala Ser Leu Pro Thr Arg Asn Leu Gln Met Thr Ala Ala Ser Arg  
 100 105 110

Cys Pro Arg Arg Phe Ser Gly Thr Cys Gly Arg Arg Lys Arg Lys Arg  
 115 120 125

Leu Leu Trp Ala Ala  
 130

&lt;210&gt; 894

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 894

Gly Val Cys Gln Val Ser Phe Met Gly Pro Ser Arg Pro Thr Pro His  
 1 5 10 15

Pro Ser Pro Leu Pro Leu Pro Gly Asp Ala Glu Leu Ser Gln Trp Tyr  
 20 25 30

Gln Gln Ala Pro Ser Pro Ser Gly Ser Trp Ser Cys Ser Ile Ile Gly  
 35 40 45

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Glu Pro Gln Gln Lys Asn Gly Glu Glu Glu Glu Ala Glu Phe Gly Val  
           50                          55                          60

Leu Asn Pro Pro Ala Pro Thr Leu Gln His Gln Gly Cys Tyr Gly Leu  
       65                          70                          75                          80

Ser Cys Arg Ala Thr Leu Ala  
                           85

<210> 895  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 895  
 Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu  
       1                          5                          10                          15

Tyr Arg His Phe Thr Asn  
                           20

<210> 896  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 896  
 Thr Leu Ile Leu Ala Val Ala Ala Ser Ile Val Phe Ile Ile Trp Thr  
       1                          5                          10                          15

Thr Met Lys Phe Arg Ile  
                           20

<210> 897  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 897  
 Val Thr Cys Gln Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile  
       1                          5                          10                          15

Trp Arg Leu Leu Phe Ser Met Ile Leu Phe Val Ile  
                           20                          25

<210> 898  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 898  
 Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser  
       1                          5                          10                          15

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Pro Leu Ser Glu Glu Glu Glu Glu Asp Glu Gln  
 20 25

<210> 899  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 899  
 Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser  
 1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Glu Asp Glu Gln  
 20 25

<210> 900  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 900  
 Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys Met Arg Ser  
 1 5 10 15

Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys Ala Gln Glu  
 20 25 30

Asp Asp Leu  
 35

<210> 901  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 901  
 Lys Trp Val Glu Glu Asn Val Pro Ser Ser Val Thr Asp Val Ala Leu  
 1 5 10 15

Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg Met Ile Thr His Phe Glu  
 20 25 30

Arg Ser Lys Met Glu  
 35

<210> 902  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 902  
 Asp Pro Arg Val Arg Leu Asn Ser Leu Thr Cys Lys His Ile Phe Ile  
 1 5 10 15

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Ser Leu Thr Gln  
20

<210> 903  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 903  
Asn Ala Phe Gly Arg His Ser Thr Ala Val Lys  
1 5 10

<210> 904  
<211> 283  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 904  
Glu Ser Cys Leu Leu Cys Gly Ile Ser Glu Tyr Pro Ile Gln Arg Xaa  
1 5 10 15

Ile Cys Pro Gly Cys Phe Asp Pro Cys Arg Xaa Ala Phe Ser Ser Glu  
20 25 30

Thr Leu Thr Gly Ser Asn Pro Gly His His Ser Gln Ser Gly Ile Trp  
35 40 45

His Arg Gln Ala Thr Pro Gly Val Thr Leu His Lys Val Val Val Ala  
50 55 60

Xaa Ala Leu Tyr Leu Leu Phe Ser Gly Met Glu Gly Val Leu Arg Val  
65 70 75 80

Thr Gly Ala Gln Thr Asp Leu Ala Ser Leu Ala Phe Ile Pro Leu Ala  
85 90 95

Phe Leu Asp Thr Ala Leu Cys Trp Trp Ile Phe Ile Ser Leu Thr Gln  
100 105 110

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu  
115 120 125

10004860-120701

Tyr Arg His Phe Thr Asn Thr Leu Ile Leu Ala Val Ala Ala Ser Ile  
130 135 140

Val Phe Ile Ile Trp Thr Thr Met Lys Phe Arg Ile Val Thr Cys Gln  
145 150 155 160

Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile Trp Arg Leu Leu  
165 170 175

Phe Ser Met Ile Leu Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala  
180 185 190

Asn Asn Gln Arg Phe Ala Phe Ser Pro Leu Ser Glu Glu Glu Glu Glu  
195 200 205

Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys  
210 215 220

Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys  
225 230 235 240

Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser Ser  
245 250 255

Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg  
260 265 270

Met Ile Thr His Phe Glu Arg Ser Lys Met Glu  
275 280

<210> 905

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Tyr Glu Pro Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp  
1 5 10

<210> 906

<211> 16

<212> PRT

<213> Homo sapiens

<400> 906

Ile Arg His Glu Leu Thr Val Leu Arg Asp Thr Arg Pro Ala Cys Ala  
1 5 10 15

10004360-120701

<210> 907  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 907  
 Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp  
           1                          5                          10

<210> 908  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 908  
 Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala Leu Ser Asn Leu Glu  
           1                          5                          10                          15

Ser Ile Pro Gly Gly Tyr Asn Ala  
                                   20

<210> 909  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 909  
 Leu Arg Arg Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala  
           1                          5                          10                          15

Gln Glu Gln Phe Gly Gly Asn Pro Phe  
                           20                          25

<210> 910  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 910  
 Ala Ser Leu Val Ser Asn Thr Ser Ser Gly Glu Gly Ser Gln Pro Ser  
           1                          5                          10                          15

Arg Thr Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala Pro Gln Thr  
                           20                          25                          30

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<210> 911  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<400> 911  
 Ser Gln Ser Ser Ser Ala Ser Ser Gly Thr Ala Ser Thr Val Gly Gly  
 1 5 10 15  
 Thr Thr Gly Ser Thr Ala Ser Gly Thr Ser Gly Gln Ser Thr Thr Ala  
 20 25 30  
 Pro Asn Leu Val Pro Gly Val Gly Ala Ser Met Phe Asn Thr Pro Gly  
 35 40 45  
 Met Gln Ser Leu Leu Gln Gln Ile Thr Glu Asn Pro Gln Leu Met Gln  
 50 55 60  
 Asn Met Leu Ser Ala Pro Tyr  
 65 70

<210> 912  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 912  
 Met Arg Ser Met Met Gln Ser Leu Ser Gln Asn Pro Asp Leu Ala Ala  
 1 5 10 15  
 Gln Met Met Leu Asn Asn Pro Leu Phe Ala Gly Asn Pro Gln Leu Gln  
 20 25 30  
 Glu Gln Met Arg Gln Gln Leu Pro Thr Phe Leu Gln Gln  
 35 40 45

<210> 913  
 <211> 73  
 <212> PRT  
 <213> Homo sapiens

<400> 913  
 Met Gln Asn Pro Asp Thr Leu Ser Ala Met Ser Asn Pro Arg Ala Met  
 1 5 10 15  
 Gln Ala Leu Leu Gln Ile Gln Gln Gly Leu Gln Thr Leu Ala Thr Glu  
 20 25 30  
 Ala Pro Gly Leu Ile Pro Gly Phe Thr Pro Gly Leu Gly Ala Leu Gly  
 35 40 45  
 Ser Thr Gly Gly Ser Ser Gly Thr Asn Gly Ser Asn Ala Thr Pro Ser  
 50 55 60  
 Glu Asn Thr Ser Pro Thr Ala Gly Thr

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65

70

&lt;210&gt; 914

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu  
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln  
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn  
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu  
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser  
 65 70

&lt;210&gt; 915

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala  
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg  
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala  
 35 40 45

&lt;210&gt; 916

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser  
 1 5 10

&lt;210&gt; 917

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

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65

70

&lt;210&gt; 914

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu  
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln  
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn  
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu  
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser  
 65 70

&lt;210&gt; 915

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala  
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg  
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala  
 35 40 45

&lt;210&gt; 916

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser  
 1 5 10

&lt;210&gt; 917

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

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1

5

10

&lt;210&gt; 918

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 918

Gly Lys Ile Leu Lys Asp Gln Asp Thr Leu Ser Gln His Gly Ile His  
 1 5 10 15

Asp

&lt;210&gt; 919

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 919

Gly Leu Thr Val His Leu Val Ile Lys Thr Gln Asn Arg Pro  
 1 5 10

&lt;210&gt; 920

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 920

Ser Glu Leu Gln Ser Gln Met Gln Arg Gln Leu Leu Ser Asn Pro Glu  
 1 5 10 15

Met Met

&lt;210&gt; 921

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 921

Pro Glu Ile Ser His Met Leu Asn Asn Pro Asp Ile Met Arg  
 1 5 10

&lt;210&gt; 922

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 922

Arg Gln Leu Ile Met Ala Asn Pro Gln Met Gln Gln Leu Ile Gln Arg  
 1 5 10 15

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Asn Pro

<210> 923  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 923  
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu  
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser  
 20 25

<210> 924  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 924  
 Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu Cys Leu Ala  
 1 5 10 15

Phe Val Glu Ser Lys Phe Asn  
 20

<210> 925  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 925  
 Asn Glu Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn  
 1 5 10 15

Ser His Tyr Trp Cys Asn  
 20

<210> 926  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 926  
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu  
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser  
 20 25

<210> 927  
 <211> 13

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<212> PRT  
 <213> Homo sapiens

<400> 927  
 Glu Pro Ser Ala Leu Ser Cys Thr Ser Ser Pro Pro Arg  
           1                  5                  10

<210> 928  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 928  
 Ile Arg Glu Val Asn Glu Val Ile Gln Asn Pro Ala Thr  
           1                  5                  10

<210> 929  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 929  
 Ile Thr Arg Ile Leu Leu Ser His Phe Asn Trp Asp Lys Glu Lys Leu  
           1                  5                  10                  15

Met Glu Arg Tyr Phe Asp Gly Asn Leu Glu Lys Leu Phe Ala  
                   20                  25                  30

<210> 930  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 930  
 Asn Thr Arg Ser Ser Ala Gln Asp Met Pro Cys Gln Ile Cys Tyr Leu  
           1                  5                  10                  15

Asn Tyr Pro Asn Ser Tyr Phe  
                   20

<210> 931  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 931  
 Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp  
           1                  5                  10                  15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val  
                   20                  25                  30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His  
           35                  40                  45

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Val Val Lys Val Gln Tyr Pro Asp Ala Lys Pro Val  
50 55 60

<210> 932  
<211> 52  
<212> PRT  
<213> Homo sapiens

<400> 932  
Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp  
1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val  
20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His  
35 40 45

Val Val Lys Val  
50

<210> 933  
<211> 60  
<212> PRT  
<213> Homo sapiens

<400> 933  
Gly Cys Asn His Met Val Cys Arg Asn Gln Asn Cys Lys Ala Glu Phe  
1 5 10 15

Cys Trp Val Cys Leu Gly Pro Trp Glu Pro His Gly Ser Ala Trp Tyr  
20 25 30

Asn Cys Asn Arg Tyr Asn Glu Asp Asp Ala Lys Ala Ala Arg Asp Ala  
35 40 45

Gln Glu Arg Ser Arg Ala Ala Leu Gln Arg Tyr Leu  
50 55 60

<210> 934  
<211> 60  
<212> PRT  
<213> Homo sapiens

<400> 934  
Phe Tyr Cys Asn Arg Tyr Met Asn His Met Gln Ser Leu Arg Phe Glu  
1 5 10 15

His Lys Leu Tyr Ala Gln Val Lys Gln Lys Met Glu Glu Met Gln Gln  
20 25 30

His Asn Met Ser Trp Ile Glu Val Gln Phe Leu Lys Lys Ala Val Asp  
35 40 45

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Val Leu Cys Gln Cys Arg Ala Thr Leu Met Tyr Thr  
 50 55 60

<210> 935  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 935  
 Tyr Val Phe Ala Phe Tyr Leu Lys Lys Asn Asn Gln Ser Ile Ile Phe  
 1 5 10 15

Glu Asn Asn Gln Ala Asp Leu Glu Asn Ala Thr Glu Val Leu Ser Gly  
 20 25 30

Tyr Leu Glu Arg Asp Ile Ser Gln Asp Ser Leu Gln Asp Ile Lys Gln  
 35 40 45

Lys Val Gln Asp Lys Tyr Arg Tyr Cys Glu Ser Arg  
 50 55 60

<210> 936  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 936  
 Thr Gly Leu Glu Cys Gly His Lys Phe Cys Met Gln Cys Trp Ser Glu  
 1 5 10 15

Tyr Leu Thr Thr Lys Ile Met Glu Glu Gly Met Gly Gln Thr Ile Ser  
 20 25 30

Cys Pro Ala His Gly  
 35

<210> 937  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 937  
 Met Trp Gly Tyr Leu Phe Val Asp Ala Ala Trp Asn Phe Leu Gly Cys  
 1 5 10 15

Leu Ile Cys Gly Trp  
 20

<210> 938  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>

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<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Met His Phe Ile Ser Ser Gly Asn Val Ser Ala Ile Arg Ser Ser Ile  
1 5 10 15

Leu Leu Leu Arg Xaa Ser Leu Ser Tyr Leu Gly Asn Cys Leu Arg Val  
20 25 30

Ser Ala Ile Phe Val Tyr Phe Leu Leu Phe Leu Leu Ser  
35 40 45

<210> 939

<211> 80

<212> PRT

<213> Homo sapiens

<400> 939

Met Asp Gln Ala Leu Arg Gly Ser Pro Ser Glu Gly Phe Ser Thr Asp  
1 5 10 15

Pro Ser Pro Pro Gln Val Gly Arg Gln Ile Pro Ser Phe Pro Pro Trp  
20 25 30

Arg Arg Leu Val Leu Pro Lys Ala Ser Gly Cys Phe Leu Glu Arg Glu  
35 40 45

Trp Trp Leu Cys Val Phe Lys Leu Arg Thr Arg Pro Gly Ala Glu Ala  
50 55 60

His Ala Tyr Asn Ser Ser Ile Leu Gly Gly Arg Gly Lys Gly Ile Thr  
65 70 75 80

<210> 940

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln  
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val  
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp

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35                      40                      45  
 Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg  
     50                      55                      60  
 Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser  
     65                      70                      75                      80  
 Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu  
                     85                      90                      95  
 Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu  
                     100                      105                      110  
 Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala  
                     115                      120                      125  
 Gln Arg Gln  
     130

<210> 941

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala Ser  
     1                      5                      10                      15

Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala Lys  
                     20                      25                      30

Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Xaa Pro  
     35                      40                      45

Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn Glu  
     50                      55                      60

Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu  
     65                      70                      75

<210> 942

<211> 40

<212> PRT

<213> Homo sapiens

<400> 942

Pro Pro Arg Arg Pro Ala Gln Leu Pro Leu Thr Pro Gly Ala Gly Gln  
     1                      5                      10                      15

Gly Ala Gly Arg Asp Lys Ala Ala Ala Ile Arg Ala His Pro Gly Ala

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20

25

30

Pro Pro Leu Asn His Leu Leu Pro  
35 40

<210> 943  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 943  
Ala Val Pro Gln Ala Gly Gly Lys Gln Val Phe Asp Leu Ser Pro Leu  
1 5 10 15

Glu Leu Gly Tyr Val Arg Gly Met Cys Val Cys Val  
20 25

<210> 944  
<211> 207  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (124)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (178)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944  
Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln  
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val  
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp  
35 40 45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg  
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser  
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu  
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu  
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala  
115 120 125

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Gln Arg Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser  
130 135 140

Pro Ala Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly  
145 150 155 160

Ala Ala Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly  
165 170 175

Cys Xaa Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala  
180 185 190

Met Asn Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu  
195 200 205

<210> 945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Leu Leu Cys Pro Val Leu Asn Ser Gly Xaa Ser Trp Asn Phe Pro His  
1 5 10 15

Pro Ser Gln Pro Glu Tyr Ser Phe His Gly Phe His Ser Thr Arg Leu  
20 25 30

Trp Ile

<210> 946

<211> 28

<212> PRT

<213> Homo sapiens

<400> 946

Pro Ser Thr Pro Trp Phe Leu Phe Leu Leu Gly Leu Thr Cys Pro Phe  
1 5 10 15

Ser Thr Ser His Pro Arg Trp Asp Ser Ile Pro Pro  
20 25

<210> 947

<211> 227

<212> PRT

<213> Homo sapiens

<400> 947

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu

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1 5 10 15

Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu  
20 25 30

Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys  
35 40 45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser  
50 55 60

Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys Gly Asp Gln Glu  
65 70 75 80

Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro Asn Gly Lys Thr  
85 90 95

Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr Arg Glu Asp Asp  
100 105 110

Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser Leu Lys Gly Ala  
115 120 125

Asp Arg Ser Thr Ser Gln Arg Ile Glu Val Leu Tyr Thr Pro Thr Ala  
130 135 140

Met Ile Arg Pro Asp Pro Pro His Pro Arg Glu Gly Gln Lys Leu Leu  
145 150 155 160

Leu His Cys Glu Gly Arg Gly Asn Pro Val Pro Gln Gln Tyr Leu Trp  
165 170 175

Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser Ala  
180 185 190

Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly Cys  
195 200 205

Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu Asn  
210 215 220

Val Asn Asp  
225

&lt;210&gt; 948

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 948

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu  
1 5 10 15

Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu  
20 25 30

Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys

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35

40

45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser  
 50 55 60

&lt;210&gt; 949

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 949

Cys Gln Ser Ser Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys  
 1 5 10 15

Gly Asp Gln Glu Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro  
 20 25 30

Asn Gly Lys Thr Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr  
 35 40 45

Arg Glu Asp Asp Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser  
 50 55 60

Leu  
 65

&lt;210&gt; 950

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 950

His Glu Ser Leu Lys Gly Ala Asp Arg Ser Thr Ser Gln Arg Ile Glu  
 1 5 10 15

Val Leu Tyr Thr Pro Thr Ala Met Ile Arg Pro Asp Pro Pro His Pro  
 20 25 30

Arg Glu Gly Gln Lys Leu Leu Leu His Cys Glu Gly Arg Gly Asn Pro  
 35 40 45

Val Pro Gln Gln Tyr Leu Trp Glu Lys Glu  
 50 55

&lt;210&gt; 951

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 951

Trp Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser  
 1 5 10 15

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Ala Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly  
20 25 30

Cys Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu  
35 40 45

Asn Val Asn Asp  
50

<210> 952  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 952  
Pro Ser Pro Val Pro Ser Ser Ser Ser Thr Tyr His Ala Ile Ile Gly  
1 5 10 15

Gly Ile Val Ala Phe Ile Val Phe Leu Leu Leu Ile Met Leu Ile Phe  
20 25 30

Leu Gly His Tyr  
35

<210> 953  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 953  
Leu Ile Arg His Lys Gly Thr Tyr Leu Thr His Glu Ala Lys Gly Ser  
1 5 10 15

Asp Asp Ala Pro Asp Ala Asp Thr Ala Ile Ile Asn Ala Glu Gly Gly  
20 25 30

Gln Ser Gly Gly Asp Asp Lys Lys Glu Tyr Phe Ile  
35 40

<210> 954  
<211> 123  
<212> PRT  
<213> Homo sapiens

<400> 954  
Val Pro Glu Leu Pro Asp Arg Val His Gln Leu His Gln Ala Val Gln  
1 5 10 15

Gly Cys Ala Leu Gly Arg Pro Gly Phe Pro Gly Gly Pro Thr His Ser  
20 25 30

Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly Asp Tyr Asn Arg  
35 40 45

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Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro Arg Gly Thr Gly  
50 55 60

Arg Arg Gly Gln Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg  
65 70 75 80

Ala Cys Pro Ser Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro  
85 90 95

Cys Pro Ser Pro Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser  
100 105 110

Trp Cys Gly Leu Pro Gly Tyr Thr Ser Ser Ser  
115 120

<210> 955

<211> 22

<212> PRT

<213> Homo sapiens

<400> 955

Val His Gln Leu His Gln Ala Val Gln Gly Cys Ala Leu Gly Arg Pro  
1 5 10 15

Gly Phe Pro Gly Gly Pro  
20

<210> 956

<211> 42

<212> PRT

<213> Homo sapiens

<400> 956

Pro Thr His Ser Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly  
1 5 10 15

Asp Tyr Asn Arg Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro  
20 25 30

Arg Gly Thr Gly Arg Arg Gly Gln Leu His  
35 40

<210> 957

<211> 55

<212> PRT

<213> Homo sapiens

<400> 957

Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg Ala Cys Pro Ser  
1 5 10 15

Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro Cys Pro Ser Pro  
20 25 30

Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser Trp Cys Gly Leu

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45

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<210> 958
<211> 276
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958
Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
  1           5           10           15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
    20           25           30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
    35           40           45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg Arg Ala Pro
    50           55           60

Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln Arg Glu Val
    65           70           75           80

Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
    85           90           95

Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
   100           105           110

Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
   115           120           125

Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp
   130           135           140

Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr
   145           150           155           160

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
   165           170           175

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
   180           185           190

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
   195           200           205

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
   210           215           220

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His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly  
225 230 235 240

Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys  
245 250 255

Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu  
260 265 270

Glu Leu Pro Lys  
275

<210> 959

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 959

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe  
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg  
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala  
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg  
50 55 60

<210> 960

<211> 52

<212> PRT

<213> Homo sapiens

<400> 960

Arg Ala Pro Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln  
1 5 10 15

Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala  
20 25 30

Gly Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly  
35 40 45

Thr Pro Gly Ile  
50

<210> 961

10004850-120701

<211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 961  
 Thr Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu  
           1                  5                  10                  15  
 Cys Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln  
                   20                  25                  30  
 Cys Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala  
                   35                  40                  45  
 Glu Cys Thr Phe  
                   50

<210> 962  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<400> 962  
 Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly  
           1                  5                  10                  15  
 Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe  
                   20                  25                  30  
 Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile  
                   35                  40                  45  
 Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile  
                   50                  55                  60  
 His Arg  
           65

<210> 963  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 963  
 Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu  
           1                  5                  10                  15  
 Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly  
                   20                  25                  30  
 Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu  
                   35                  40                  45  
 Leu Pro Lys  
           50

10004360-120001



<210> 964  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 964  
 Thr Lys Lys Glu Asn Cys Arg Pro Ala Ser Leu Met Asn Ile Asp Thr  
           1                  5                  10                  15

Lys Ile Leu Asn Lys Ile Leu Met Asn Gln  
                   20                  25

<210> 965  
 <211> 214  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (90)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (94)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (120)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 965  
 Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr  
           1                  5                  10                  15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val  
                   20                  25                  30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys Ala Lys Gly His  
                   35                  40                  45

10004360.120701

Ser Leu Ser Asp Gly Leu Glu Glu Val Gln Lys Ala Glu Met Lys Ala  
 50 55 60  
 Tyr Met Glu Leu Val Asn Asn Met Leu Leu Thr Ala Glu Leu Tyr Leu  
 65 70 75 80  
 Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg Tyr  
 85 90 95  
 Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln Lys  
 100 105 110  
 Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys Lys  
 115 120 125  
 Thr Leu Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu  
 130 135 140  
 Ser Gln Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr  
 145 150 155 160  
 Glu Leu Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile Leu Thr Thr  
 165 170 175  
 Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn Tyr Ser Asn  
 180 185 190  
 Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe Glu Asp Arg  
 195 200 205  
 Gly Lys Gly Arg Leu Ser  
 210

<210> 966

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr  
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val  
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys

10004560-120701

35

40

<210> 967  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<400> 967  
 Phe Val Lys Ala Lys Gly His Ser Leu Ser Asp Gly Leu Glu Glu Val  
 1 5 10 15

Gln Lys Ala Glu Met Lys Ala Tyr Met Glu Leu Val Asn Asn Met Leu  
 20 25 30

Leu Thr Ala Glu Leu Tyr Leu Gln Trp Cys Asp Glu  
 35 40

<210> 968  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 968  
 Leu Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg  
 1 5 10 15

Tyr Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln  
 20 25 30

Lys Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys  
 35 40 45

Lys Thr Leu  
 50

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Ser Gln Asp Gln Val Cys Cys Ile Gln Glu Thr His Leu Thr Gly Arg  
 35 40 45

Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln Ala  
 50 55 60

Asn Gly Lys Gln Lys Lys  
 65 70

<210> 972  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 972  
 Phe Thr Leu Asn Val Asn Gly Leu Asn Ala Pro Asn Glu Arg His Arg  
 1 5 10 15

Leu Ala Asn Trp Ile Gln Ser Gln Asp Gln Val Cys  
 20 25

<210> 973  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 973  
 Thr His Leu Thr Gly Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp  
 1 5 10 15

Arg

<210> 974  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 974  
 Gly Trp Arg Lys Ile Tyr Gln Ala Asn Gly Lys Gln Lys Lys  
 1 5 10

<210> 975  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
 <400> 975

10004860-120701

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe  
1 5 10 15

Cys Met Cys Phe Ile Thr Met Lys Val Ile His Ala His Cys Ser Lys  
20 25 30

Leu Arg Lys Cys Xaa Asn Ala Gln Ile Ser Val Phe Cys Thr Thr Leu  
35 40 45

Thr Ala Ser Tyr Pro Thr  
50

<210> 976

<211> 23

<212> PRT

<213> Homo sapiens

<400> 976

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe  
1 5 10 15

Cys Met Cys Phe Ile Thr Met  
20

<210> 977

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 977

Lys Val Ile His Ala His Cys Ser Lys Leu Arg Lys Cys Xaa Asn Ala  
1 5 10 15

Gln Ile Ser Val Phe Cys Thr Thr Leu Thr Ala Ser Tyr Pro Thr  
20 25 30

<210> 978

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu  
1 5 10 15

10004860-120701

Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser Gln Ala  
20 25 30

Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val Arg Leu  
35 40 45

Leu Trp Asp Val Leu Thr Pro Asp Pro Asn  
50 55

<210> 979

<211> 54

<212> PRT

<213> Homo sapiens

<400> 979

Gln Arg Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu  
1 5 10 15

Gly Lys Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser  
20 25 30

Ala Phe Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His  
35 40 45

Arg Arg Ala Gln Met Pro  
50

<210> 980

<211> 23

<212> PRT

<213> Homo sapiens

<400> 980

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu  
1 5 10 15

Pro Gly Leu Val Leu Ala Ser  
20

<210> 981

<211> 191

<212> PRT

<213> Homo sapiens

<400> 981

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn  
1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser  
20 25 30

Leu Leu Ile Leu Val Val Ile Arg Thr Ile Gln Tyr Asn Met Thr Arg  
35 40 45

Thr Arg Asp Lys Tyr Leu His Thr Asn Cys Leu Ala Ala Leu Ala Asn

10004660-120701

50                      55                      60  
 Met Ser Ala Gln Phe Arg Ser Leu His Gln Tyr Ala Ala Gln Arg Ile  
 65                      70                      75                      80  
 Ile Ser Leu Phe Ser Leu Leu Ser Lys Lys His Asn Lys Val Leu Glu  
                     85                      90                      95  
 Gln Ala Thr Gln Ser Leu Arg Gly Ser Leu Ser Ser Asn Asp Val Pro  
                     100                      105                      110  
 Leu Pro Asp Tyr Ala Gln Asp Leu Asn Val Ile Glu Glu Val Ile Arg  
                     115                      120                      125  
 Met Met Leu Glu Ile Ile Asn Ser Cys Leu Thr Asn Ser Leu His His  
                     130                      135                      140  
 Asn Pro Asn Leu Val Tyr Ala Leu Leu Tyr Lys Arg Asp Leu Phe Glu  
 145                      150                      155                      160  
 Gln Phe Arg Thr His Pro Ser Phe Gln Asp Ile Met Gln Asn Ile Asp  
                     165                      170                      175  
 Leu Val Ile Ser Phe Phe Ser Ser Arg Leu Leu Gln Ala Gly Ser  
                     180                      185                      190  
  
 <210> 982  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 982  
 Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn  
   1                      5                      10                      15  
  
 Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser  
                     20                      25                      30  
  
 Leu Leu Ile Leu Val Val  
                     35  
  
 <210> 983  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 983  
 Arg Thr Ile Gln Tyr Asn Met Thr Arg Thr Arg Asp Lys Tyr Leu His  
   1                      5                      10                      15  
  
 Thr Asn Cys Leu Ala Ala Leu Ala Asn Met Ser Ala Gln Phe Arg Ser  
                     20                      25                      30  
  
 Leu His Gln Tyr Ala Ala Gln Arg Ile Ile Ser Leu Phe Ser Leu Leu  
                     35                      40                      45

10004360-120701

Ser Lys Lys His Asn  
50

<210> 984  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 984  
Ser Cys Leu Thr Asn Ser Leu His His Asn Pro Asn Leu Val Tyr Ala  
1 5 10 15

Leu Leu Tyr Lys Arg Asp Leu Phe Glu Gln Phe Arg Thr His Pro Ser  
20 25 30

Phe Gln Asp Ile Met Gln Asn Ile Asp Leu Val Ile Ser Phe Phe Ser  
35 40 45

Ser Arg Leu Leu Gln Ala Gly Ser  
50 55

<210> 985  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 985  
Lys Lys His Asn Lys Val Leu Glu Gln Ala Thr Gln Ser Leu Arg Gly  
1 5 10 15

Ser Leu Ser Ser Asn Asp Val Pro Leu Pro Asp Tyr Ala Gln Asp  
20 25 30

<210> 986  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 986  
Thr Ile Ser Asn Ser Ser Phe Ile Ser Gly Tyr Asn Ala Lys Tyr  
1 5 10 15

<210> 987  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 987  
Leu Lys Val Ala Ala Ser Trp Glu Leu Ser Cys Gln Trp Asn Gly Ser  
1 5 10 15

Trp Lys Ser Leu Ser Lys Ala Ser Leu Arg Cys Pro Lys Thr Asp  
20 25 30

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<210> 988  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<400> 988  
 Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile  
   1                  5                  10                  15  
 Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys Glu Lys  
                   20                  25                  30  
 Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp Thr  
                   35                  40                  45  
 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe  
                   50                  55                  60  
 Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr  
   65                  70                  75                  80  
 Gln Asp Glu Asp Ala Glu Asp His Cys His Pro Pro Arg Leu Ser Ala  
                   85                  90                  95  
 Leu His Pro Gln Val Gln Pro Leu Arg Glu Ala Pro Gln Glu His Val  
                   100                  105                  110  
 Cys Thr Pro Val Pro Leu Leu Gln Gly Arg Pro Asp Arg  
                   115                  120                  125

<210> 989  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<400> 989  
 Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr  
   1                  5                  10                  15  
 Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val  
                   20                  25                  30  
 His Leu Ser Pro Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr  
                   35                  40                  45  
 Val Gly Glu Cys Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu  
   50                  55                  60  
 Lys Val Thr Lys Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe  
   65                  70                  75

<210> 990  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

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<210> 969  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 969  
 Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu Ser Gln  
 1 5 10 15  
 Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr Glu Leu  
 20 25 30  
 Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile  
 35 40

<210> 970  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 970  
 Leu Thr Thr Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn  
 1 5 10 15  
 Tyr Ser Asn Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe  
 20 25 30  
 Glu Asp Arg Gly Lys Gly Arg Leu Ser  
 35 40

<210> 971  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 971  
 Met Xaa Xaa Xaa Asn Ser His Ile Thr Ile Phe Thr Leu Asn Val Asn  
 1 5 10 15  
 Gly Leu Asn Ala Pro Asn Glu Arg His Arg Leu Ala Asn Trp Ile Gln  
 20 25 30

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